2026·2027

UNDERGRADUATE CALENDAR

CONCORDIA

2026-2027 Undergraduate Calendar

General Information

About the Calendar

About the University

University Regulations and Services

Section 11 Academic Calendar

Section 12 Administration and Governance

Section 13 Admission Regulations

Section 14 Alternative Entry

Section 15 Tuition and Fees

Section 16 Academic Information: Definitions and Regulations

Section 17 University Secretariat

Section 18 Services for Students

Section 19 International Students

Section 20 Student Associations and Alumni Relations

Section 21 Centre for Continuing Education

Section 23 Teacher Training and Teacher Certification

Section 24 Institute for Co-operative Education

Section 25 Convocation Awards

Section 26 University Skills

Section 27 Academic Advising

Faculties

Section 31 Faculty of Arts and Science

Section 61 John Molson School of Business

Section 71 Gina Cody School of Engineering and Computer Science

Section 81 Faculty of Fine Arts

Course Descriptions

Quick Links

Section 100 Librarians

Section 100 Librarians

Section 200 Scholarships, Bursaries, and Awards

Section 200 Scholarships, Bursaries, and Awards

Section 300 Graduate Programs

Section 300 Graduate Programs

About the Calendar

Official University Document

The Undergraduate Calendar is an official University document. It defines academic programs and the regulations that pertain to them. The University Senate reserves the right to modify the academic programs and regulations at its discretion after the posting date of the Calendar. In addition, the University reserves the right to modify the posted scale of tuition and other student fees and to limit the number of students who enrol in any program or course at any time before the beginning of an academic term. Moreover, the information contained in the Undergraduate Calendar or any other University document related to academic programs, deadlines, and regulations is subject to verification and correction by the Office of the Registrar and the School of Graduate Studies.

Not all courses listed in this Calendar are offered this year. Students are advised to consult the Undergraduate Class Schedule for a timetable of courses offered.

Please note that the Undergraduate Calendar is available solely online and constitutes the official Undergraduate Calendar of the University. The most recent version of the Calendar is the only version currently in effect. Students are responsible for ensuring that graduation requirements are met, in accordance with the requirements set out in the Calendar corresponding to the year of admission, except for Engineering programs. Students in the Engineering programs are required to graduate having met the substantial equivalent of the curriculum in force in the winter term prior to degree conferral. Archived Calendars may be consulted using the "Archived Calendars" link.

This Calendar is intended to assist readers to understand the academic and administrative structure and policies and procedures of the University, and to describe the academic programs offered. The material has been submitted by academic units and administrative departments. Every effort has been made to ensure that all general information and course references are accurate as of the date of posting, but these are subject to possible verification and correction. By the act of registration each student becomes bound by the policies and regulations of Concordia University, including the Faculty in which the student is registered. Students are responsible for familiarizing themselves with the general information, rules and regulations contained in the Calendar, and with the specific information, rules and regulations of the Faculty or Faculties in which they are registered or enrolled or seek registration or enrolment, as well as the specific requirements of each degree or certificate sought. It is the student's responsibility to ensure that the courses chosen are appropriate to the program requirements.

Concordia University disclaims all responsibility and liability for loss or damage suffered or incurred by any student or other party as a result of delays in or termination of its services, courses, or classes by reason of force majeure, including fire, flood, riots, war, strikes, lock-outs, damage to University property, financial exigency and/or other events beyond the reasonable control of the University. Concordia University disclaims any and all liability for damages arising as a result of errors, interruptions or disruptions to operations or connected with its operations or its campuses, arising out of computer failure or non-compliance of its computing systems.

Publication Information

University Mailing Addresses

Sir George Williams Campus

1455 De Maisonneuve Blvd. W.

Montreal, Quebec

H3G 1M8

Loyola Campus

7141 Sherbrooke St. W.

Montreal, Quebec

H4B 1R6

Web Address

concordia.ca

Communication of Information to Provincial Ministère de l'Éducation du Québec (MEQ)

Under the terms of an agreement between Concordia University and the provincial Ministère de l'Éducation du Québec (MEQ), approved by the Quebec Access to Information Commission, Concordia University is required to transmit to the Ministry some or all of the following information concerning its students: the student's permanent code, complete name, date of birth, gender, father's complete name, mother's complete name and place of birth. This information is being transmitted, at the Ministry's request, in order to provide the Ministry with the tools to properly calculate funding for Concordia University, for planning purposes and to ensure the proper management of public funds.

Published by the Office of the Provost and Vice-President, Academic

Cover Design: Concordia University Communications Services

Editor: Cynthia Foster

Printed in Canada • Copyright • **Concordia University** • February 2026

About the University

Concordia University

Established in 1974 with the merger of Loyola College and Sir George Williams University, Concordia University offers more than 200 graduate and undergraduate programs in four Faculties (Arts and Science, John Molson School of Business, Gina Cody School of Engineering and Computer Science, and Fine Arts) and a School of Graduate Studies. At the undergraduate level, the University offers BA, BAdmin, BComm, BCompSc, BEd, BEng, BFA, BScAT and BSc degrees, as well as certificate programs.

For graduate programs, please see concordia.ca/academics/graduate/calendar/current.

For more information about the University, its history and its founding institutions, please see concordia.ca/about.

The University also has a Centre for Continuing Education which offers a variety of non-credit educational programs. For more information about the Centre for Continuing Education, please see concordia.ca/cce.

Concordia University is one of the largest urban universities in Canada. It has two campuses — one in downtown Montreal (Sir George Williams), the other in a residential setting in the city's west end (Loyola).

Mission, Vision and Values

Mission

Concordia University is welcoming, engaged, and committed to innovation and excellence in education, research, creative activity and community partnerships. It dares to be different and draws on its diversity to transform the individual, strengthen society and enrich the world.

Vision

Concordia's vision is to rank among Canada's top five comprehensive universities within the next decade, and to be a first choice for students and faculty locally, across Canada, and internationally in a wide variety of defined areas of research and study.

Values

Concordia's core values stem from those long prized by its founding institutions. Concordia has adopted the motto of the city of Montreal, *Concordia salus*, which speaks to well-being through harmony. The union of two very different institutions of higher education has led to an exceptionally successful synthesis of compatible and timely values.

Excellence

Concordia values the curiosity and engagement of its faculty, staff, and students. Curiosity about the world around us, respectful engagement with those who inhabit it, and strong determination to improve it lead to productive exploration of current understandings, a rich spectrum of creative activity and practice, and the creation and dissemination of new knowledge.

Opportunity

Concordia values the openness and respect necessary to provide opportunities to a highly diverse student and faculty population. Diversity at Concordia is interpreted broadly: for example, in addition to embracing diversity in ethnicity, gender, language, and accessibility, Concordia provides students with different and original ways of exploring their interests. Enabling faculty, staff and students to make a progressive impact on their world in ways that respect and engage the uniqueness of each individual is a hallmark of Concordia.

Quality of Life

Concordia values a secure and respectful learning environment and workplace. Concordia is committed to promoting a healthy, safe and sustainable campus and to enhancing the quality of life of the community in which we live.

Gender Neutral Degree Nomenclature

Students may choose to graduate with degree titles that are gender neutral and refer to the diplomas themselves (Baccalaureate, Magisteriate, and Doctorate) or with the traditional nomenclature (Bachelor, Master, and Doctor).

Graduates who have previously been awarded a Concordia degree with the traditional nomenclature may request that their degree be re-issued in the gender neutral nomenclature.

Section 11 Academic Calendar

Academic Calendar

Undergraduate Academic Dates

Regular Session and Summer Session

The undergraduate academic dates for the current and previous academic years are available on the Concordia website. Academic dates are published on three different web pages:

Regular and summer session academic dates are published on the "Academic dates – Undergraduate" web page at:

concordia.ca/students/undergraduate/undergraduate-academic-dates

Registration start dates, as well as non-standard summer session courses and academic dates, are published on the "Term Dates and Deadlines (Undergraduate & Graduate)" web page at:

concordia.ca/students/registration/term-dates-deadlines

Financial deadlines are published on the "Tuition & fees" web page at:

concordia.ca/students/financial/tuition-fees

The Academic Calendar is subject to change.

Section 12 Administration and Governance

Administration and Governance

Note

The following information was updated as of January 22, 2026.

Board of Governors

concordia.ca/about/administration-governance/board-senate/governors/list

Senate

concordia.ca/about/administration-governance/board-senate/senate/list

Council of the Faculty of Arts and Science

concordia.ca/artsci/about/leadership/faculty-council

Council of the John Molson School of Business

concordia.ca/jmsb/about/leadership/faculty-council

Council of the Gina Cody School of Engineering and Computer Science

concordia.ca/ginacody/about/leadership/faculty-council

Council of the Faculty of Fine Arts

concordia.ca/finearts/about/faculty-council

Council of the School of Graduate Studies

concordia.ca/gradstudies/about/governance/csgs

Concordia Council on Student Life

concordia.ca/offices/ccsl/about-the-council

Office of the President and Vice-Chancellor

concordia.ca/about/administration-governance/president/leadership.html

Office of the Provost and Vice-President, Academic

concordia.ca/provost/about/contact.html

Executive Team

concordia.ca/about/administration-governance/president/leadership.html

Office of the Registrar

concordia.ca/offices/registrar.html

Faculty of Arts and Science

concordia.ca/artsci/about/leadership/office-dean.html

John Molson School of Business

concordia.ca/jmsb/about/leadership/office-dean.html

Gina Cody School of Engineering and Computer Science

concordia.ca/ginacody/about/leadership/office-dean.html

Faculty of Fine Arts

concordia.ca/finearts/about/office-dean.html

School of Graduate Studies

concordia.ca/gradstudies/about/meet-our-team.html

University Librarian

library.concordia.ca/about/university-librarian/

Office of the Vice-President, Research, Innovation, and Impact

concordia.ca/research/about/oor.html

concordia.ca/about/administration-governance/office-vp-research-graduate-studies.html

Office of the Vice-President, Advancement

concordia.ca/about/administration-governance/office-vp-advancement.html

University Secretariat

concordia.ca/about/administration-governance/legal/contact.html

Office of the Vice-President, Services and Sustainability

concordia.ca/about/administration-governance/office-vp-services-sustainability.html

Office of the Chief Financial Officer, Financial Services

concordia.ca/about/administration-governance/office-chief-financial-officer.html

Section 13 Admission Regulations

Admission Regulations

Section 13.1 Admission to Concordia University

Section 13.2 Definitions

Section 13.3 Admission Requirements

Section 13.4 Language Proficiency

Section 13.5 Applying for Admission

Section 13.6 Special Admissions

Section 13.7 Required Documents

Section 13.8 Selection Process and Notification

Section 13.1 Admission to Concordia University

Admission

The University gives fair consideration to all applicants and informs them of its decisions and the basis for such decisions within a reasonable period of time. Concordia has a long tradition of service to adult and part-time students. Basic information on admission requirements and procedures is included in this Calendar. More detailed information can be found on the Concordia website.

In keeping with general principles accepted by Quebec universities, admission to Concordia University is open to qualified applicants in the program of their choice. In programs with limited enrolments, not all qualified applicants can be accepted. In such cases, the University accepts those with the strongest qualifications and demonstrable potential. Qualified applicants not admitted to their preferred program are automatically considered for their second-choice program.

Applicants must submit an application through the Concordia website: concordia.ca.

There is a single processing centre to which all admission-related documents should be mailed or emailed if electronic:

Concordia University
Admissions Application Centre
P.O. Box 2900
Montreal, Quebec
H3G 2S2

Email: application.centre@concordia.ca

Section 13.2 Definitions

The Academic Year

The academic year begins with a summer session (May to August) followed by a regular session (September to April). The summer session includes all courses offered between the beginning of May and the end of August. The regular session is divided into a fall term (September to December) and a winter term (January to April), each 15 weeks long. Terms include an examination period, during which any final examination must be held. The Section 11 Academic Calendar lists precise dates for the beginning and end of classes and examination periods.

Exemption

A student may be exempted from a Concordia course based on previous study. An exemption from a course has no credit value towards a degree or certificate. Exemptions from required courses may be granted in cases where students have already covered the work at another institution with an appropriate level of performance. Any such courses may be replaced with courses chosen in consultation with their advisors if it is a required course for their program. Students who complete a course for which an exemption has been granted will not be permitted to retain the credits unless they have been granted prior approval from the Faculty and/or departmental advisor.

Recognition of Prior Learning

Recognition of Prior Learning credits are awarded for knowledge, skills and competencies acquired outside of traditional academic learning pathways, which may be applied towards a Concordia degree or certificate.

Sequence of Courses

Prerequisite

Course A is a prerequisite of Course B when "A" must be taken and successfully completed before taking "B." Students may be deregistered from a course until its prerequisite course(s) has been successfully completed.

Co-requisite

Course A is a co-requisite of Course B when "A" must be taken in the same academic term as "B," unless it has already been successfully completed. Students may be deregistered from Course B if they are not concurrently registered in the co-requisite Course A.

Residence Requirement

This refers to the minimum number of credits which must be taken at Concordia University to obtain a degree or certificate awarded by the University.

Transfer Credits

Transfer credits are credits for courses taken at another institution (or in another Concordia program) which may be applied towards a Concordia degree or certificate.

Student Type

Extended Credit Program Students

Students registered in an extended program, normally requiring 30 credits in addition to the regular requirements, designed for students entering from secondary institutions outside Quebec. (See relevant Faculty section.)

Independent Students

Students not seeking a degree or certificate.

Mature Students

Undergraduate students who do not meet regular academic admission requirements and have been admitted on the basis of their age, experience, and academic potential.

Bridging Students

Undergraduate students who do not meet regular academic admission requirements and have been admitted to a bridging program on the basis of their age, experience, and academic potential.

Undergraduate Students

Students registered in an undergraduate degree or certificate program, whether on a full-time or part-time basis. See Section 16.1.2 Credit System for a definition of full-time and part-time study.

Microprogram Students

Students registered in an undergraduate microprogram, usually a coherent program of 9-15 credits made up of regular undergraduate courses, completed within one or two academic terms.

Visiting Students

Undergraduate students from other universities who have written approval from their home university to take courses at Concordia University, or students currently registered in certain certificate programs sponsored by external associations (e.g. programs related to the John Molson School of Business).

Section 13.3 Admission Requirements

Admission Requirements

Section 13.3.1 Applicants from Quebec Institutions

Section 13.3.2 Applicants from Secondary School Curriculums from Outside Quebec

Section 13.3.3 Transfers from Other Universities

Section 13.3.4 Transfers from Other Post-Secondary Institutions

Section 13.3.5 Transfer Credits and Exemptions

Section 13.3.6 Former Concordia Students

Section 13.3.1 Applicants from Quebec Institutions

Applicants from Quebec Institutions

Quebec applicants must have successfully completed a two-year pre-university program in a Cegep and qualify for a Diploma of Collegial Studies (DEC) or the equivalent. Applicants who have completed a three-year professional program in a Cegep or have obtained another credential which makes them eligible for admission are also eligible for consideration.

Cegep records of applicants must include the successfully completed prerequisites of the Concordia degree program for which they are applying. These programs and admission requirements "profiles" are listed in:

- The programs and admission requirements listed under each Faculty section,
- The Concordia website.

Students admitted to a particular program at the University and who subsequently wish to change to another program may have to complete specific prerequisites in addition to their regular program requirements.

Section 13.3.2 Applicants from Secondary School Curriculums from Outside Quebec

Applicants from Secondary School Curriculums from Outside Quebec

When applying to a degree program, graduates of secondary schools in Canadian provinces and territories other than Quebec, and from outside of Canada, are considered for admission to the Extended Credit Program (ECP) at Concordia. The ECP requires completion of 30 credits in addition to the regular requirements. The normal duration of a degree program for applicants from secondary school curriculums outside of Quebec is four years, with some programs requiring five years of full-time study to complete.

The ECP requirements are not applicable to students applying for admission to certificates, microprograms or the Kaié:ri Nikawerá:ke Indigenous Bridging Program.

To be considered for admission, students must have successfully completed prerequisites of the Concordia degree program for which they are applying. The specific admission requirements are listed on the Concordia website.

Students admitted to a particular program at the University and who subsequently wish to change to another program may have to complete specific prerequisites in addition to their regular program requirements.

Section 13.3.3 Transfers from Other Universities

Transfers from Other Universities

Each transfer application is considered on its merits. The number of transfer credits granted depends on the character, quality, and quantity of the work completed at an accredited institution. In allowing transfer credits, some special conditions apply:

1. Students will not be given credit for courses taken in another university during the same academic term in which they have registered for courses at Concordia University, unless special permission has been obtained in advance from this University. Further detailed information is available in Section 16.1.6 Studies at Other Universities of this Calendar.
2. To earn an undergraduate degree, students must meet the University Residence Requirements as outlined in Section 16.2.2 Residence Requirements of this Calendar.
3. Students transferring to Concordia after having failed to achieve a satisfactory record at any university must take a minimum of 60 credits at Concordia.

Section 13.3.4 Transfers from Other Post-Secondary Institutions

Transfers from Other Post-Secondary Institutions

Each transfer application is considered on its merits provided the studies were academic in nature and done at an accredited institution. Credits from certain junior colleges, community colleges, or colleges of applied arts and technology outside Quebec maybe considered for transfer credits.

Section 13.3.5 Transfer Credits and Exemptions

Transfer Credits and Exemptions

Transfer credits are credits for courses taken at another institution (or in another Concordia program) which may be transferred towards a Concordia degree or certificate and are awarded in accordance with Section 16.1.6 Recognition of Acquired Competencies: Academic and Non-Academic Learning.

An exemption from a course has no credit value towards a degree or certificate. Exemptions from required courses may be granted in cases where students have already covered the work at another institution, with an appropriate level of performance. Any such courses may be replaced with courses chosen in consultation with their advisors if it is a required course for their program. Students cannot retain credits for a repeated course or a course in which any exemption has been granted, unless they have been granted prior approval from the Faculty and/or departmental advisor.

Credit/No Credit Notation (CR/NC)

If students request a degree transfer or a modification to their program concentration by adding a new minor, major, specialization or honours program, and a course previously taken as a CR/NC elective becomes a required course for the new program concentration, the CR notation will be converted to a letter grade. Only courses with a grade of D- or better may be converted from a CR notation to a letter grade and all conversions must be approved by an academic advisor. The reversal of the CR notation to a letter grade is permanent. Courses with a grade of NC will not be converted to a letter grade. If a course that receives an NC notation is a required course for the new program concentration, students must repeat the course to receive a letter grade. See Credit/No Credit (CR/NC) Grading Basis under Section 16.1.11 Grading System.

Section 13.3.6 Former Concordia Students

Former Concordia Students

Former Concordia students who have been absent from Concordia may be required to submit a new application for admission. Normally,

- Students who are in lapsed program status who wish to return to study must refer to 5. Lapsed Program Status in Section 16.1.5 Withdrawal. Lapsed students who, during their absence from Concordia, attended another institution are considered

to have officially withdrawn, and must submit a new application and make arrangements to have an official transcript sent to the Admissions Application Centre.

- Students who officially withdrew from Concordia University and who wish to return to study must submit a new application. If they have attended another institution during their absence, they must also make arrangements to have an official transcript sent to the Admissions Application Centre.

Students are advised to contact Enrolment Services for information on the correct procedure. Further detailed information is available in Section 13.3.3 Transfers from Other Universities, Section 16.1.6 Recognition of Acquired Competencies: Academic and Non-Academic Learning and Section 16.2.2 Residence Requirements of this Calendar.

Section 13.4 Language Proficiency

Language Proficiency

While the language of instruction at Concordia is English, most assignments and examinations may be submitted in French. Students whose first language is not English must demonstrate language proficiency prior to their admission to Concordia.

Proof of proficiency in English must be provided by achieving an appropriate score on an approved standardized test. Some students may be exempt from pre-admission English tests if they have completed a curriculum with a strong emphasis on the English language.

For information on the minimum scores required, please consult concordia.ca/ugrad-elp. Test results must be reported directly to the Admissions Application Centre by the test centre. Results more than two years old will not be accepted as proof of language proficiency. **In all cases, the University reserves the right to require a proficiency test if it is deemed necessary.**

Section 13.5 Applying for Admission

Applying for Admission

Section 13.5.1 Application fee

Section 13.5.2 Deadlines

Students should submit an application through the Concordia website at concordia.ca. Students are encouraged to apply for admission as early as possible to allow sufficient time for the evaluation of their application. This is especially true for applicants from outside Canada. Supporting documents must be submitted at the time of application or as soon afterwards as they become available.

Applicants must state their full academic history on their application for admission or risk cancellation of their admission or registration. No transfer credit will be awarded retroactively for former studies not disclosed in the application.

Section 13.5.1 Application Fee

Application Fee

There is an application fee required with every application, payable to Concordia University by certified cheque, money order, MasterCard, Visa, American Express or debit card (Interac). Applicants from outside Canada may pay this fee by international money order or draft drawn on a Canadian bank in Canadian funds.

This application fee is not refundable under any circumstances, nor can it be used towards tuition. It is not transferable to a session other than that for which the student is applying.

Section 13.5.2 Deadlines

Deadlines

September is the normal point of entry to full-time and part-time studies. Entry in January is limited to certain programs. Students should refer to the admissions information within the relevant Faculty section on the Concordia website.

March 1 and November 1 are the application deadline dates normally set for the fall and winter terms respectively. However, candidates are encouraged to submit their applications well before the start of term to allow sufficient time for evaluation and notification. Candidates applying from outside of Canada should submit their applications by February 1 for September entry and September 1 for January entry. Application deadlines for microprograms may vary, and students should consult the relevant Faculty section on the Concordia website for specific dates.

Section 13.6 Special Admissions

Special Admissions

Section 13.6.1 Mature Students

Section 13.6.2 Visiting Students

Section 13.6.3 Independent Students

Section 13.6.4 Senior Students

Section 13.6.5 Bridging Students

Section 13.6.1 Mature Students

Mature Students

Mature students are undergraduates who have not met the regular academic admission requirements (e.g. completion of a DEC or equivalent), but have been admitted on the basis of age, experience, and academic potential. Mature students may study full-time or part-time.

Information on Mature Entry is contained under Mature Entry in Section 14 Alternative Entry.

Section 13.6.2 Visiting Students

Visiting Students

Visiting students are undergraduate students from other universities who have written approval from their home university to take courses at Concordia University, or they are students currently registered in certain certificate programs sponsored by external associations. The granting of such status in no way guarantees a student a place in a course.

1. Students from other Quebec universities who wish to take courses at Concordia must complete a web-based Inter-University Exchange Authorization form at bci-qc.ca/en/students/aehe. Additional information is available in Section 16.1.6 Studies at Other Universities.
2. Undergraduate students from other universities outside the province of Quebec who wish to take courses at Concordia must submit a letter of permission from the registrar of their home university and Canadian citizenship/permanent residency documents or Quebec Acceptance Certificate (CAQ) and Study Permit. Visiting students who are Canadians or permanent residents may be eligible to pay Quebec rates of tuition upon submission of proof of Quebec residency in accordance with government criteria (see Section 13.7 Required Documents).
3. Students who wish to register in certificate programs sponsored by external associations must submit proof of membership in the association and citizenship documents. Visiting students who are Canadians or permanent residents may be eligible to pay Quebec rates of tuition upon submission of proof of Quebec residency in accordance with government criteria (see Section 13.7 Required Documents).

Section 13.6.3 Independent Students

Independent Students

Concordia University allows individuals to register as Independent students — students who can take individual courses but are not registered in a degree program — if they satisfy the admission requirements.

Canadian citizens and permanent residents can qualify for admission by providing proof of being over 21 years of age as of May 15 for the summer session, September 15 for the fall term or January 15 for the winter term OR providing proof of meeting the minimum academic requirements for entry to the University. International students must be academically eligible for University entrance.

Independent students may register for a maximum of 18 credits a year, equally divided between fall and winter terms; their Independent status in no way guarantees them a place in a given course. International Independent students are required to register for a minimum number of credits in accordance with immigration rules.

Independent students are admitted through Enrolment Services and will subsequently receive academic advising through the respective Faculty. Students who wish to enter a degree or certificate must submit a formal application. Credits acquired as an Independent student may be applied towards the degree or certificate if applicable. A maximum of 30 credits earned in the Independent status may be transferred towards a degree.

Section 13.6.4 Senior Students

Senior Students

Concordia University is committed to lifelong learning and community service. Seniors at Concordia either take credit courses in a program or as Independent students. They can also choose to audit courses on a non-credit basis through the Senior Non-Credit Program.

Students aged 55 and over who wish to attend undergraduate courses primarily in the Faculty of Arts and Science for personal interest rather than for credit, may register to audit courses. Though not required to write class assignments or final examinations, they participate in every other aspect of the courses. Senior Audit students pay significantly reduced fees. For more information, visit the Senior Non-Credit Program office web page at concordia.ca/lifelong-learning/seniors.

If seniors wish to pursue an undergraduate program or take courses as Independent students for credit, they must submit a formal application and pay regular tuition fees.

Section 13.6.5 Bridging Students

Bridging Students

Bridging students are undergraduates who have not met the regular academic admission requirements (e.g. completion of a DEC or equivalent), but have been admitted to a bridging program on the basis of age, experience, and academic potential. These students follow the course sequence of the bridging program to which they are admitted, and are not initially enrolled directly in a degree program. Upon successful completion of the bridging program requirements the student may be admitted to a related degree program. Please see "9. Bridging Program" under Section 16.2.4 Concentration Requirements for the definition of a bridging program.

Section 13.7 Required Documents

Required Documents

Section 13.7.1 All Applicants

Section 13.7.2 Permanent Code

Proof of Canadian Citizenship or Permanent Residency

In order to benefit from a tuition reduction, applicants must provide documentary proof of their status in Canada by the prescribed deadlines:

Fall term: December 1
Winter term: April 1
Summer term: August 1

Tuition reductions are applicable as of the term in which the appropriate documents are submitted. Applicants who have been accepted by the University and who have not provided this proof of status will automatically be charged International tuition fees. To provide proof of Canadian citizen/permanent resident status, applicants must submit a copy of one of the following documents to their Student Centre:

- Canadian Birth Certificate;
- Quebec Birth Certificate issued by the Quebec Directeur de l'état civil with the mention "Certified" or "certifié conforme";
- Canadian Citizenship Card/Certificate (both sides);
- Permanent Resident Card (both sides) or a validated Confirmation of Permanent Resident Status document;
- Certificate of Indian Status Card (both sides).

The following documents are not acceptable:

- Driver's Licence:
- Medicare Card;
- Social Insurance Number Card;
- Quebec Baptismal Certificate.

In case of a discrepancy in information provided, the University reserves the right to ask students to provide additional documentation to verify their legal name. Please note that retroactive adjustments are not possible once the deadline has passed for a specific term.

Proof of Quebec Residency (Applicable to Canadian Citizens and Permanent Residents)

In order to benefit from the Quebec student tuition rate, students must ensure that the appropriate steps are taken with the University so as to demonstrate their status by the prescribed deadlines:

Fall term: December 1
Winter term: April 1
Summer term: August 1

Tuition reductions are applicable as of the term in which the appropriate documents are submitted. Students who have not provided such evidence are automatically charged non-Quebec resident fees. Retroactive adjustments are not possible in the event that a deadline is missed.

The University will attempt to establish Quebec residency status for applicants from Quebec Cegeps by importing Quebec

resident status data electronically from government files based on their “permanent code.” Students are responsible for ensuring that their Quebec resident status has been established by verifying their tuition charges. Students may contact quebec.residency@concordia.ca for confirmation of residency status.

If, upon acceptance to a University program, proof of Quebec residency has not been established, students must apply for Quebec residency via the Student Hub: Log into concordia.ca/students > Personal Information (drop down menu) > Quebec Residency Application and submit the required documentation by the deadline for the term in question. Details can be found at concordia.ca/students/financial/tuition-fees/rates/quebec-residency. Quebec resident status cannot be granted retroactively.

Section 13.7.1 All Applicants

Academic Documents

Applicants must submit all secondary and post - secondary academic records. In order for their admission to be finalized, they must ensure that an **official** transcript is forwarded directly to the Admissions Application Centre by all of the institutions which they have attended.

With their application, students currently enrolled at an institution must include results from all previous terms together with a list of courses in progress. They must arrange for an **official** transcript with the results of the final semester to be forwarded as soon as possible once they have been admitted. All documents must be originals or appropriately certified copies. Uncertified copies are not acceptable. Transcripts in a language other than English or French must be accompanied by a certified translation. If the transcript does not detail the subjects and the grades, a certified statement of these from an authorized official of the institution should also be included.

The above procedure whereby institutions send official transcripts directly to Concordia University is the normal method for receipt of official transcripts. However, in order to accelerate the review of their file, students may submit official transcripts in **sealed envelopes** subject to the following procedures: applicants are to request each previous educational institution to provide them with a copy of their official transcript, sealed in an envelope which bears the name and address of the school, the institutional logo (if applicable), a notice on the envelope stating that it contains official transcripts, and a signature/signature stamp/explanatory label placed across the seal of the envelope.

NOTE: All required documents received by Concordia University become the property of the University. Official documents and/or transcripts will not be returned to the applicant and will be destroyed after three years.

Section 13.7.2 Permanent Code

Permanent Code

The Ministère de l’Éducation du Québec (MEQ) requires all registered students to have a “permanent code” (a unique identifying number) which is assigned by the Ministry. Students who already have a permanent code must enter it on their application form.

For students who have attended or are currently attending Cegep in Quebec, Concordia University will automatically obtain the required Cegep record electronically by using their permanent code.

Section 13.8 Selection Process and Notification

Selection Process and Notification

Section 13.8.1 Conditional Admission

Section 13.8.2 Confirmation Fee

Section 13.8.3 Registration

Section 13.8.1 Conditional Admission

Conditional Admission

Applicants seeking admission to undergraduate programs may be granted conditional admission on the basis of available academic records, including interim results for the current year. Final admission is contingent upon a student's successfully completing all the academic admission requirements and meeting all conditions as stated in the conditional offer of admission issued by the University.

Section 13.8.2 Confirmation Fee

Confirmation Fee

Applicants who have been granted admission or conditional admission are required to submit a confirmation deposit to confirm their intention to attend the University. This non-refundable confirmation deposit is applied towards tuition fees.

Applicants who receive a conditional offer of admission, but who are ultimately denied admission because they have not completed the minimum academic requirements for entrance, will receive a refund of their confirmation deposit upon request.

Section 13.8.3 Registration

Registration

Complete information regarding registration is available in the Student Hub: concordia.ca/students

Section 14 Alternative Entry

Mature Entry

Kaié:ri Nikawerá:ke Indigenous Bridging Program

Mature Entry

Concordia University has a long history of making education accessible to adults with varying academic backgrounds. Through Mature Entry andBridging Programs,those lacking the regular pre-university requirements can still earn university degrees and certificates.

Section 14.1 Admission as a Mature Student

Section 14.2 Program Requirements

Section 14.2.1 Faculty of Arts and Science

Section 14.2.2 John Molson School of Business

Section 14.2.3 Gina Cody School of Engineering and Computer Science

Section 14.2.4 Faculty of Fine Arts

Section 14.3 Assistance

Section 14.1 Admission as a Mature Student

Conditions for Admission

At Concordia, the term "Mature Entrants" is used to designate students aged 21 and over who have not completed the normal academic admission requirements. The designation does not apply to adult applicants whose academic background qualifies them for regular admission.

Students apply for admission to particular programs within one of the four Faculties of the University. In every respect, with the exception of the 18-credit requirement, Mature Entrants at Concordia are treated as regular undergraduates and are expected to meet the same standards before graduating.

The admission of applicants for Mature Entry is subject to the following conditions:

1. Applicants must have reached the age of 21 by August 1 for the September term, December 1 for the January term, or April 1 for the May term in any given year;

2. Although not meeting the normal academic requirements for admission (Québec Diplôme d'études collégiales or the equivalent), applicants must satisfy the University that they have the potential to undertake undergraduate courses;

3. Applicants must have been out of school — that is not engaged in full-time study — for at least 24 months since attaining the age of 18. Applicants who have been out of school for only 12 months are also admissible provided that they have had no unfavourable academic record in the previous 24 months;

4. Applicants must be Canadian citizens or permanent residents (landed immigrants). Applicants must submit proof of citizenship and age, together with school records and any material which may indicate ability to pursue university studies. Applicants are expected to arrange for official transcripts of all their previous studies to be sent directly to Concordia; (Section 13 Admission Regulations provides general information on how to apply for admission.)

5. Students who have the Québec Diplôme d'études collégiales or the equivalent are not eligible for Mature Entry. Students who pursued a secondary school curriculum that normally permits entry to the Extended Credit Program (ECP) may be considered for admission on the basis of maturity, but will be required to complete the ECP program.

6. In all programs, some students may require courses in English as a Second Language, as determined by language proficiency testing. See Section 13.4 Language Proficiency of this Calendar regarding language proficiency testing.

Section 14.2 Program Requirements

Program Requirements

Normally, Mature Entrants without any Diplôme d'études collégiales (DEC) or equivalent must complete at least 18 additional credits of preparatory or complementary courses. These additional credits are intended to help them to prepare for their subsequent studies. Students with a partial DEC or equivalent may be awarded transfer credits for some of the additional 18 credits.

When selecting courses to fulfill the additional credit requirements, Mature students are required to consult with advisors in the respective Faculty. When selecting program courses, all students are required to consult with their program advisor. Students in the Gina Cody School of Engineering and Computer Science are required to consult only with their Faculty program advisors.

The MEP requirements are not applicable to students applying for admission to microprograms.

Section 14.2.1 Faculty of Arts and Science

Faculty of Arts and Science

For most BA programs, there are no specific program prerequisites. Therefore, within the initial 18 credits, students are encouraged to take courses which will broaden their educational background or help them develop study skills.

Consultation with the departmental advisor is encouraged in the choice of the 18 additional credits required for the degree.

Science

For those Mature Entry students pursuing a degree in Science, the following courses must be included within their 108-credit requirement:

3	credits in Biology: BIOL 201
6	credits in Chemistry: CHEM 205, CHEM 206
6	credits in Mathematics: MATH 203, MATH 205
12	credits in Physics: PHYS 204, PHYS 205, PHYS 206, PHYS 224, PHYS 225, PHYS 226

Additional requirements for programs of concentration in:

Systems and Information Biology; Mathematics; and Physics: 3 credits in	MATH 204
Psychology: 3 credits in	PSYC 205

Note: Students must consult with their departmental advisor to determine the appropriate sequence of the above credits in the BSc degree.

Note: Students not having MATH 201, or the equivalent, must take it in place of one of their elective courses. Some students may also need MATH 200.

Arts

The programs listed below have specific prerequisites which will take up some or all of the initial 18 credits.

BA Major in Economics	MATH 203 or MATH 209

	Note: Students may need one or more of MATH 200 and MATH 206.
BA Specialization in Early Childhood and Elementary Education or BEd Specialization in Teaching English as a Second Language	Note: Mature students wishing to apply to Early Childhood and Elementary Education or the BEd (TESL) must complete 18 credits prior to applying for entry.
BA Specialization in Therapeutic Recreation	BIOL 200 or BIOL 201 or BIOL 202
BA programs in the Department of Mathematics and Statistics	MATH 203, MATH 204, MATH 205 Note: Students may need one or more of MATH 200 and MATH 201.
BA Major in Psychology	PSYC 205; BIOL 201 or BIOL 202; three credits in Mathematics (in preparation for statistics) chosen in consultation with their departmental advisor.

Section 14.2.2 John Molson School of Business

Mature Entry — the 108-credit program

In addition to the 90-credit program, Mature Entry students will be required to complete the following 18 credits outside the offerings of the John Molson School of Business. Those credits are:

6	credits in MATH 208, MATH 209
6	credits in ECON 201, ECON 203
6	additional elective credits Note: These elective credits must be selected from outside the offerings of the John Molson School of Business.
	Note: Students may need one or more of MATH 200 and MATH 206.

Requirements for programs are listed with the program descriptions in Section 61 John Molson School of Business of this Calendar.

Section 14.2.3 Gina Cody School of Engineering and Computer Science

Engineering

Mature Entrants to the BEng degree, which requires the completion of a minimum of 120 credits, are also required to complete all outstanding required prerequisites in addition to their program. Prerequisite courses are as follows:

CHEM 205

MATH 203, MATH 204, MATH 205

PHYS 204, PHYS 205

6 credits chosen from Natural Science courses listed below:

BIOL 201, BIOL 202, BIOL 206, BIOL 261, BIOL 266, CHEM 206, CHEM 217, CHEM 221, GEOL 206, GEOL 208, PHYS 206, PHYS 252, PHYS 260, PHYS 273, PHYS 284, PHYS 367, PHYS 385, PHYS 443, PHYS 445

6 credits of courses chosen from the following list:

General Education Humanities and Social Sciences Electives

English as a Second Language Courses and courses that focus on the acquisition of a language may not be used to meet this requirement.

Students should refer to Section 71.110 Complementary Studies for Engineering and Computer Science Students when selecting these courses.

Note: In all programs, students may need one or more of MATH 200 and MATH 201.

Note: Some students may require courses in English as a Second Language, as determined by language proficiency testing.

Computer Science

Mature Entry students accepted to the Bachelor of/Baccalaureate in Computer Science (BCompSc) must include in their degree program (minimum 108 credits) the following courses, depending upon their chosen program:

a) BCompSc Joint Major in Computation Arts and Computer Science:

MATH 203, MATH 204, MATH 205

and six credits chosen in consultation with an academic advisor from the Department of Design and Computation Arts and three elective credits may be chosen as follows.

- General Education Humanities and Social Sciences Electives found in Section 71.110 Complementary Studies for Engineering and Computer Science Students
- Engineering and Natural Science Group: Software Engineering
- Courses not included in the above lists may be taken with prior approval of the undergraduate program director.

b) Bachelor of/Baccalaureate in Computer Science (BCompSc) and BCompSc Joint Major in Data Science:

MATH 203, MATH 204, MATH 205

and six credits chosen from courses in the General Education Humanities and Social Sciences Electives list as noted in Section 71.110 Complementary Studies for Engineering and Computer Science Students (note that English as a Second Language (ESL) Courses and courses that focus on the acquisition of a language may not be used to meet this requirement).

and three elective credits may be chosen as follows:

- General Education Humanities and Social Sciences Electives found in Section 71.110 Complementary Studies for Engineering and Computer Science Students.
- Engineering and Natural Science Group: Software Engineering
- Courses not included in the above lists may be taken with prior approval of the undergraduate program director.

c) BCompSc in Health and Life Sciences:

BIOL 201

CHEM 205, CHEM 206

MATH 203, MATH 204, MATH 205

PHYS 204, PHYS 205, PHYS 206, PHYS 224, PHYS 225, PHYS 226

Depending on the number of free electives in their program, Mature Entry Computer Science students may use up to a maximum of 24 credits of prerequisites (including the above courses) within the 108-credit program.

A maximum of six credits of prerequisites may be used within the regular 90-credit program.

Note: In all programs, students may need one or more of MATH 200 and MATH 201.

Note: Some students may require courses in English as a Second Language, as determined by language proficiency testing.

Science

Mature Entry students accepted to the BSc in Cybersecurity must include in their degree program (minimum 108 credits) the following courses:

MATH 203, MATH 204, MATH 205

and six credits chosen from courses in the General Education Humanities and Social Sciences Electives list as noted in Section 71.110 Complementary Studies for Engineering and Computer Science Students (note that English as a Second Language Courses and courses that focus on the acquisition of language may not be used to meet this requirement).

and three elective credits may be chosen as follows:

General Education Humanities and Social Sciences Electives found in Section 71.110 Complementary Studies for Engineering and Computer Science Students.

Engineering and Natural Science Group: Cybersecurity Engineering

Courses not included in the above lists may be taken with prior approval of the undergraduate program director

Section 14.2.4 Faculty of Fine Arts

Faculty of Fine Arts

Mature Entry students wishing to pursue a degree program in the Faculty of Fine Arts must take 18 additional credits appropriate for entry into their ultimate area of concentration. These credits will be chosen with the approval of the Faculty advisors.

Section 14.3 Assistance

Assistance

Mature students accepted into the University must inform themselves of the specific requirements of their program and should meet with their program advisors in the Faculties or in the Kaié:ri Nikawerá:ke Indigenous Bridging Program.

Kaié:ri Nikawerá:ke Indigenous Bridging Program

Section 14.4 Program Description

Section 14.5 Admission as a Kaié:ri Nikawerá:ke Indigenous Bridging Program Student

Section 14.6 Program Requirements

Section 14.4 Program Description

Kaié:ri Nikawerá:ke Indigenous Bridging Program

(Pronounced: Gaa-Yay-Ree Knee-Gaa-Way-Raa-Geh)

Concordia University is proud to offer the Kaié:ri Nikawerá:ke Indigenous Bridging Program for members of the Indigenous community, specifically First Nations, Métis and Inuit peoples whose communities are located in Canada. Kaié:ri Nikawerá:ke is a Kanienkéha term that translates to "the Four Winds" or "the Four Directions" which represent renewal, change, and a shift in the natural world.

This program is offered to prospective Indigenous students who wish to acquire the prerequisites needed for their desired undergraduate program, and to gain important skills and insight before they undertake university studies. Eligible Indigenous students who may not meet the normal admission requirements can access the undergraduate program of their choice at Concordia University through this bridging pathway.

Kaié:ri Nikawerá:ke Indigenous Bridging Program offers students a culturally safe space as they transition to university life and complete the prerequisite courses for the program of their choice. During their time in Kaié:ri Nikawerá:ke Indigenous Bridging Program, students will receive ongoing support as they build their capacity for academic success through targeted courses in academic writing, study skills and time management, and attend seminar courses that foster a strong sense of community.

Section 14.5 Admission as a Kaié:ri Nikawerá:ke Indigenous Bridging Program Student

Admission Requirements

At Concordia, the term "Bridging Student" is used to designate students who have not completed the normal academic admission requirements, and who are eligible for entry to a non-degree bridging program. Applicants whose academic background qualifies them for regular admission are not eligible for the Kaié:ri Nikawerá:ke Indigenous Bridging Program.

Students apply for admission to programs within one of the four Faculties of the University, indicating their intention to be considered for and pursue the Kaié:ri Nikawerá:ke Indigenous Bridging Program.

The admission of applicants for the Kaié:ri Nikawerá:ke Indigenous Bridging Program is subject to the following conditions:

1. Applicants must be members of the First Nations, Métis and Inuit peoples whose communities are located in Canada. Applicants must submit proof of Indigenous identity, citizenship, and age.

2. Although not meeting the normal academic requirements for admission, applicants must satisfy the University that they have the potential to undertake undergraduate courses.

3. Applicants must have been out of school — that is not engaged in full-time study — for at least 12 months since attaining the age of 18. Applicants who have been out of school for less than 12 months are also admissible provided that they have had no unfavourable academic record in the previous 12 months.

4. Applicants must submit school records and any material which may indicate ability to pursue university studies. Section 13 Admission Regulations provides general information on how to apply for admission.

5. Some students may require courses in English as a Second Language, as determined by language proficiency testing. See Section 13.4 Language Proficiency of this Calendar regarding language proficiency testing.

Section 14.6 Program Requirements

Program Requirements

Kaié:ri Nikawerá:ke Indigenous Bridging Program students must complete the requirements of the program prior to being admitted to the related undergraduate degree. The requirements may differ by Faculty and program. Refer to Calendar sections:

Faculty of Arts and Science: Section 31.002 Programs and Admission Requirements

John Molson School of Business: Section 61.20 Admission Requirements

Gina Cody School of Engineering and Computer Science: Section 71.20.2 Alternative Entry Programs

The course sequence is intended to help students prepare for their subsequent studies. When selecting courses, students admitted to the Kaié:ri Nikawerá:ke Indigenous Bridging Program are required to consult with the Bridging Program coordinator in the Student Success Centre.

Upon successful completion of the Kaié:ri Nikawerá:ke Indigenous Bridging Program, students who are no longer interested in the related undergraduate degree program may submit an application to other degree or certificate programs for which they are qualified.

Section 15 Tuition and Fees

Tuition and Fees

The University reserves the right to modify the published scale of tuition and other student fees without prior notice, at any time before the beginning of an academic term. The Tuition and Fees information and the authoritative document on tuition and other fees, and the University's financial regulations, is available on the Concordia University website at concordia.ca/students/financial/tuition-fees.

Section 16 Academic Information: Definitions and Regulations

Academic Information: Definitions and Regulations

Section 16.1 General Information

Section 16.2 Curriculum Regulations

Section 16.3 Evaluation, Administrative Notations, Examinations, and Performance Requirements

Section 16.1 General Information

Section 16.1.1 Academic Year

Section 16.1.2 Credit System

Section 16.1.3 Registration for Courses

Section 16.1.4 Cancellation of Classes

Section 16.1.5 Withdrawal

Section 16.1.6 Recognition of Acquired Competencies: Credited Academic Learning and Recognition of Prior Learning

Section 16.1.7 Student Request Committees

Section 16.1.8 Graduation

Section 16.1.9 High Academic Achievement

Section 16.1.10 Student Record

Section 16.1.11 Grading System

Section 16.1.12 Official Transcripts of Credits

Official University Document

The Calendar is an official University document defining academic programs and the regulations that pertain to them. It is accurate as of its publication date. The University Senate reserves the right to modify the academic programs and regulations at its discretion after the publication date of the Calendar. In addition, the University reserves the right to modify the published scale of tuition and other student fees at any time before the beginning of an academic term. The most current information is available from the Office of the Registrar and, for graduate programs, from the School of Graduate Studies. Moreover, the information contained in the Calendar or any other University document related to academic programs and regulations is subject to verification and correction by the Office of the Registrar and the School of Graduate Studies.

The regulations contained in this section apply to all students at the undergraduate level, whether they are enrolled in degree, certificate, microprogram, bridging program, or Qualifying programs or registered as Visiting or Independent students, with the following exceptions:

a) Degree, certificate, microprogram, bridging program, and Qualifying program requirements are determined by those in effect in the year of the student's admission. (See Section 16.2 Curriculum Regulations.)

b) Regulations concerning residence requirements and academic performance are also governed by those in effect in the year of a student's admission.

c) Determination of high academic achievement is governed by the most recent regulation in effect.

Regulations for graduate students can be found online at concordia.ca/academics/graduate/calendar/current.

Students who were admitted or readmitted prior to the current academic year should consult the appropriate Calendar and the Office of the Registrar or, for graduate programs, the School of Graduate Studies, for information on the regulations appropriate to the academic year in which the student was admitted or readmitted.

Specific written permission must be obtained from the appropriate authority for exemption from any academic regulation.

Students must have a valid ID card to access certain services.

Section 16.1.1 Academic Year

The academic year is defined by the calendar year in which it begins and the year in which it ends. It begins with a summer session (May to August) followed by a regular session (September to April).

Summer Session:

The summer session includes all courses offered between the beginning of May and the end of August.

Regular Session:

The regular session is divided into a fall term (September – December) and a winter term (January – April). Each term is 15 weeks long and includes a reading week break and an examination period, during which any final examination must be held. The Section 11 Academic Calendar lists precise dates for the beginning and end of classes, the reading week break and examination periods.

Section 16.1.2 Credit System

Student academic activity is measured according to the credit system. Each credit represents a minimum of 45 hours of academic activity, including lectures, tutorials, laboratories, studio or practice periods, examinations, and personal work.

I. Full- and Part-Time Status

A student's status is determined by the number of credits for which she or he is registered at the close of the tuition refund period, in the following way:

	Full-Time	Part-Time
Registration for both fall and winter terms	24 credits or more	Fewer than 24 credits
Registration for fall term only	12 credits or more	Fewer than 12 credits
Registration for winter term only	12 credits or more	Fewer than 12 credits
Registration for the summer session	12 credits	Fewer than 12 credits

Note: According to the rules established by the Government of Quebec, students receiving Quebec loans and bursaries must maintain registration of 12 credits or more **each term**. For further information, see the "Quebec loans & bursaries" web page at: concordia.ca/students/financial/loans/quebec. For Quebec residency purposes, fulltime and parttime are defined on a perterm basis. Courses with DISC notation are included in the calculation. For further information, see Proof of Quebec Residency (Applicable to Canadian Citizens and Permanent Residents) under Section 13.7 Required Documents.

II. Credit Loads

Regular Session — Full-Time Status

Full-time students normally take 30 credits in each regular session. They may register for a maximum of 15 credits in each of the fall and winter terms. Engineering programs may require more than 30 credits. For information on Engineering credit loads, see Section 71 Gina Cody School of Engineering and Computer Science.

Regular Session — Part-Time Status

Part-time students in all Faculties may register for a maximum of nine credits in each of the fall and winter terms.

Regular Session — Independent Status

Independent students may normally register for a maximum of nine credits in each of the fall and winter terms.

Summer Session

Any student, other than one in the Institute for Co-operative Education (Section 24 Institute for Co-operative Education) or the Gina Cody School of Engineering and Computer Science (Section 71 Gina Cody School of Engineering and Computer Science), may register for a maximum of 12 credits during the summer session.

Section 16.1.3 Registration for Courses

Students select courses for each session (summer session and fall and winter terms in the regular session) prior to the start of classes.

- All newly admitted students will receive advising and registration information after accepting their offer of admission.
- New Independent students can obtain registration information in the Student Academic Services of the Faculty whose discipline interests them and online at concordia.ca/admissions/independent-students.
- New Visiting students can obtain registration information in the online Registration Guide at concordia.ca/students/registration.
- Returning students in good standing can obtain registration information in the Student Hub at concordia.ca/students.

Most students will be able to register for all their courses online. Log into concordia.ca/students > My CU Account > My Student Centre > Academics > Enroll.

Section 16.1.4 Cancellation of Classes

If no class cancellation notice is posted on the classroom door, classes are officially considered cancelled if an instructor is 15 minutes late for a 50-minute class, 20 minutes late for a 75-minute class, or 30 minutes late for longer classes.

Section 16.1.5 Withdrawal

1. The Student's Responsibilities

It is the student's responsibility to meet all deadlines and follow all necessary steps to withdraw from a course or courses, or from the University. Not attending classes or informing an instructor of intent to withdraw does not constitute withdrawal. Instructors are not required to provide students with any evaluation or feedback of their progress in a course before the withdrawal deadline. Students who do not properly withdraw before the published deadlines, and who do not complete assigned work, tests or exams, will receive failing grades.

2. Withdrawal from a Course or Courses

There are two different types of course withdrawal:

a) DNE (Did Not Enter)

The DNE withdrawal has no academic or financial impact on the student. The course from which the student officially withdraws prior to the DNE deadline will be removed from the student record and official transcript and no fees will be charged for that course. The DNE deadline is usually within the first two weeks of the fall and winter terms and within the first week of the summer session. For exact dates, please refer to point 4. Withdrawal Deadlines.

b) DISC (Discontinued)

The DISC withdrawal has both academic and financial impact on the student. For the course from which the student officially withdraws between the DNE and DISC deadlines, the DISC withdrawal notation remains on a student record and official transcript, but does not affect the student's GPA. Nevertheless, the student is financially responsible for the payment of all tuition and other fees pertaining to the course. The DISC deadline is usually after the ninth week of classes of the term for fall and winter terms and within the first five weeks for the summer session. For exact dates, please refer to point 4. Withdrawal Deadlines.

Students who wish to withdraw (DNE or DISC) from a course or courses must do so online via the Student Hub: Log into concordia.ca/students > My CU Account > My Student Centre > Academics > Enroll > Drop.

When dropping courses online, students must make sure to confirm the transaction and/or verify their registration record to make sure that the course was properly dropped.

3. Withdrawal from the University

Students who wish to withdraw from the University must:

a) Withdraw from their courses by the appropriate deadline (see Section 11 Academic Calendar) online via the Student Hub to avoid financial and/or academic consequences.

and

b) Submit a formal request to the Office of the Registrar in writing stating their intention to withdraw from the University.

Withdrawal from the University does not withdraw a student from his or her courses. A student enrolled at the University who wishes to withdraw from it must also withdraw from his or her courses.

Refer to concordia.ca/students/registration/course-withdrawals/university-withdrawal for complete details on how to submit a request.

4. Withdrawal Deadlines

Withdrawal deadlines are published online at concordia.ca/students/financial/tuition-fees/refunds.

All financial regulations pertaining to course withdrawals, and refunds or financial credit for fees, are available online at concordia.ca/students/financial/tuition-fees/refunds.

Students can view additional financial information in the Student Hub: concordia.ca/students > My CU Account > My Student Centre > Finances.

5. Lapsed Program Status

Students enrolled in a degree or certificate program who have been absent from their program for six consecutive terms or more will be withdrawn from their program and have a lapsed notation entered on their student record. Students enrolled in a microprogram who have not registered for a course for four consecutive terms or more will be withdrawn from their program and have a lapsed notation entered on their student record.

Lapsed students in the Faculty of Arts and Science, the John Molson School of Business and the Faculty of Fine Arts must meet with the appropriate advisor in order to resume their program and be made aware of possible program modifications. In some cases, students will be required to submit a new application.

Lapsed students in the Gina Cody School of Engineering and Computer Science must submit a new application for admission through the Concordia website: concordia.ca.

Students who, during an absence from Concordia, attend another institution without prior permission from their Faculty Student Request Committee will be considered to have officially withdrawn from their program. Students who are officially withdrawn and want to return to Concordia should refer to Section 13.3.6 Former Concordia Students.

Section 16.1.6 Recognition of Acquired Competencies: Academic and Non-Academic Learning

Recognition of Acquired Competencies encompasses the processes by which a student may gain Concordia credit for knowledge acquired through credited academic learning or through recognition of prior learning. Recognition is based on eligibility and formal evaluation within established criteria. Recognition of Acquired Competencies is awarded in accordance with Section 16.2.2 Residence Requirements.

1. Transfer Credits

Transfer credits recognize credited academic learning and are credits for courses taken at another institution which may be transferred towards a Concordia degree or certificate. Courses from another institution with a grade of C- or better (or equivalent) may have the credits transferred, if deemed appropriate, but will not include the corresponding grades. The respective Faculty assesses all requests for transfer credits to determine equivalency.

2. Internal Transfer Credits

Concordia courses transferred from an incomplete degree, certificate, microprogram, or Kaié:ri Nikawerá:ke Indigenous Bridging Program will have the credits transferred as well as the corresponding grade, provided a grade of C- or better has been achieved. In certain situations, Concordia courses may be transferred from a completed degree, certificate, microprogram, or Kaié:ri Nikawerá:ke Indigenous Bridging Program. Credits transferred will not include the corresponding grades.

Concordia courses taken during a period of Independent status may be transferred to a degree or certificate, provided a grade of C- or better has been achieved. A maximum of 30 credits earned in the Independent status may be transferred towards a degree.

3. Studies at Other Universities

With the following exceptions, students who wish to take courses at other universities for transfer credit (for example, in the summer) must obtain permission in advance from their Faculty Student Request Committee. Students who study at other universities should familiarize themselves with Concordia's Residence Requirements, Section 16.2.2 Residence Requirements.

Interuniversity Registration within Quebec

The student must be authorized by his or her academic advisor, Associate Dean or delegate, and the University Registrar. General information can be found at the site of the Bureau de Coopération Interuniversitaire: bci-qc.ca/en/students/aehe. Specific instructions can be had by contacting the Student Academic Services in each Faculty.

Concordia Student Exchange Program and Internships Abroad

Authorization varies by Faculty. Specifics can be found at concordia.ca/students/exchanges/csep.

4. Recognition of Prior Learning

Recognition of Prior Learning is a process by which credit is awarded for knowledge, skills and competencies acquired outside of traditional academic learning pathways. Competencies may be attained through informal pathways such as professional experience and self-directed learning; non-formal pathways such as training and certifications; and other forms of relevant learning.

Eligibility Criteria

Students must be admitted and matriculated in an undergraduate degree or certificate program to apply for Recognition of Prior Learning.

Requests for Recognition of Prior Learning are limited to students in programs that offer evaluation of Recognition of Prior Learning. See concordia.ca/RPL for a list of programs.

Normally, students must have at least three to five years of relevant experience acquired through informal, non-formal, or other relevant forms of learning. Experience must be acquired prior to starting a degree or certificate.

Awarding of Recognition of Prior Learning credits is limited to courses that count towards satisfying the program requirements for the student's chosen program(s) of concentration, including honours, specialization, major, minor, or certificate. Recognition of Prior Learning cannot apply to out-of-program electives or towards satisfying the General Education requirement. If students request a degree transfer or a modification to their program concentration, any credit awarded as Recognition of Prior Learning may no longer apply towards satisfying the program requirements.

The Departments or academic units offering Recognition of Prior Learning may determine additional eligibility criteria.

Exclusions

The Concordia microprograms and the Kaié:ri Nikawerá:ke Indigenous Bridging Program are not eligible for Recognition of Prior Learning. Independent students, visiting students and exchange students may not apply for Recognition of Prior Learning.

Application and Evaluation Process

Application: Students are responsible for ensuring that they meet the eligibility criteria. The request is subject to approval by the Office of the Registrar.

Refer to concordia.ca/RPL for details on how to submit a request.

Evaluation: The respective Department or academic unit evaluates all requests for Recognition of Prior Learning to determine course equivalency. Credit is awarded when, after the evaluation of a student's application, it is determined that the competencies acquired are equivalent to the learning outcomes of an eligible course. The Department or academic unit may require a challenge exam or other supplemental evaluation method to verify the student's knowledge and skills before granting credit.

Fees

Each Recognition of Prior Learning request must be accompanied by an application processing fee. Students awarded Recognition of Prior Learning credit(s) will be billed a per-credit fee. Information about the application and per-credit fees can be found at concordia.ca/RPL.

Deadlines

Students can submit an application for Recognition of Prior Learning after matriculating in an undergraduate degree or certificate program. Students should familiarize themselves with their program sequence and prepare their complete Recognition of Prior Learning application as early as possible in their program to avoid potential delays in course registration.

Applications deemed complete by the Office of the Registrar will be forwarded to the Department for evaluation.

Students may be asked at any time during the application and evaluation process for additional information by the Office of the Registrar or by the Department or academic unit under which Recognition of Prior Learning is offered. Recognition of Prior Learning assessments normally take eight to ten weeks but response time may vary depending on the dossier.

Maximum Credits and Grades

Recognition of Prior Learning is awarded in accordance with Section 16.2.2 Residence Requirements. Students should familiarize themselves with the minimum number of credits that must be completed at Concordia University when applying for Recognition of Prior Learning. Recognition of Prior Learning credit(s) awarded count toward the total credits required to complete the eligible program. Credit awarded for Recognition of Prior Learning will not include a corresponding grade.

Section 16.1.7 Student Request Committees

1. Student Request Committees consider applications from students for exceptions to academic regulations or related matters, such as permission for course overloads, registration or withdrawals after the deadline, course substitutions, exceptions to residence requirements, permission to take courses at other universities, and exceptions to the rules governing the refund of tuition and other fees.

2. A student request shall be made on a Student Request form available online on the Course withdrawals web page: concordia.ca/students/registration/course-withdrawals. The completed request form, student statement, and all supporting documentation should be submitted as follows:

- Students registered in a Faculty of Arts and Science program must submit to the academic department housing the program in which they are registered;
- Students registered in a Gina Cody School of Engineering and Computer Science program must submit to the Faculty Student Academic Services Office;
- Students registered in a Faculty of Fine Arts program must submit to the Faculty Undergraduate Student Academic Services Office;
- Students registered in a John Molson School of Business program must submit to the Faculty Undergraduate Programs Office;
- Independent students must submit to the Office of the Registrar.

Requests for refunds of fees will not be considered unless the student has officially withdrawn from the course(s) in question (DISC).

Requests based on medical grounds must be supported by a Student Request Medical Certificate duly completed by a registered medical practitioner. The Medical Certificate form is available online on the Course withdrawals web page: concordia.ca/students/registration/course-withdrawals.

3. A student request shall be made within a reasonable period of time from the circumstances giving rise to the request. Normally, the following guidelines apply:

A request with respect to a:	**must be submitted by:**
Summer-session course (session ending in 1)	November 1
Fall-term course (term ending in 2)	March 1
Fall/Winter course (term ending in 3)	August 1
Winter-term course (term ending in 4)	August 1

In determining whether the period of time elapsed is reasonable, all of the circumstances of the case shall be evaluated.

4. Each Faculty shall have a Student Request Committee composed of:

- no fewer than three faculty members appointed by the Faculty Council;
- one representative appointed by the University Registrar;
- one student appointed by the Faculty Council;
- the Associate Dean (or delegate) who shall chair the Student Request Committee.

The Independent Student Request Committee shall be composed of:

- one representative appointed by each Faculty Council for a total of four representatives;
- one student appointed by the Concordia Student Union;
- one representative appointed by the University Registrar who shall chair the Independent Student Request Committee.

5. A Student Request Committee may delegate the responsibility for handling certain kinds of requests to designated individuals other than the chair of the committee (e.g. academic advisors, faculty advisors, student affairs coordinators). Where a decision is made by a delegated individual, the student may appeal that decision to the Student Request Committee, as a whole, based on new evidence or other serious grounds, by sending an appeal request in writing, to the Chair of the Student Request Committee within ten (10) working days of receiving a decision made by a delegated individual. Such decisions must be clearly indicated as having been made by delegation.

6. In all cases, the delegated individual and/or the Student Request Committee shall render a reasoned written decision, based on the complete and documented written request, within thirty (30) working days of receiving the request. Decisions of the Student Request Committee are final. In cases where the student has requested a full or partial refund of tuition and fees (late DNE, or late DISC with partial refund, respectively), and where the Student Request Committee supports the request, the SRC will forward its reasoned recommendation along with the complete dossier to the University Retroactive Withdrawal Committee, which will render the final decision.

The University Retroactive Withdrawal Committee shall be chaired by the University Registrar and composed of:

- one (1) representative appointed by each Faculty Council for a total of four (4) representatives (two-year term, renewable);
- the Director of Health Services or delegate;
- the manager of the Student Accounts Office or delegate;
- one (1) student appointed by the Concordia Student Union.

7. The University Retroactive Withdrawal Committee shall render a reasoned written decision, based on the complete and documented written request, within thirty (30) working days of receiving a recommendation from the Faculty Student Request or Independent Student Request Committee.

8. The decisions of the University Retroactive Withdrawal Committee are final.

Section 16.1.8 Graduation

Degree and certificate candidates who expect to complete requirements in a particular year must apply for graduation to the Office of the Registrar. Students must complete the graduation application online via the Student Hub. The graduation fee is payable whether or not a student attends convocation. Application deadlines and other pertinent information can be found at concordia.ca/graduation. Students enrolled in microprograms are not required to submit an application for graduation, but will receive a letter following completion of their program requirements.

Section 16.1.9 High Academic Achievement

A degree “With Distinction” will be awarded to students who obtain a final graduation grade point average (FGGPA: see Section 16.3.10 Academic Performance II.c Final Graduation Grade Point Average) of at least 3.40 and below 4.00.

A degree “With Great Distinction” will be awarded to students who obtain a final graduation grade point average (FGGPA) of 4.00 or greater.

Section 16.1.10 Student Record

The student record is a comprehensive report of a student’s academic history at the University. It is a complete academic record and includes all courses followed at Concordia. It is available to the student and to authorized University staff and faculty. Students may obtain a copy of their student record from the Birks Student Service Centre during normal operating hours or by written request.

A processing fee must accompany the request. (See the Tuition and Fees website at concordia.ca/students/financial/tuition-fees for the current fee.) Students may also access their student record through the Student Hub: concordia.ca/students > My CU Account > My Student Centre > Academics (drop down menu) > Transcript: View Unofficial, at no charge.

Section 16.1.11 Grading System

At the end of each course, the instructor will submit a letter grade for every student registered. Using the grade point equivalents listed below, grade point averages (GPA) are calculated for the evaluation of academic achievement, honours standing, prizes, and academic standing.

	Grade	*Grade Points*	
	A+	4.30	Outstanding
	A	4.00	
	A-	3.70	
	B+	3.30	Very Good
	B	3.00	
	B-	2.70	
	C+	2.30	Satisfactory
	C	2.00	
	C-	1.70	
	D+	1.30	Marginal Pass
	D	1.00	
	D-	0.70	
	F, FNS	0	Poor - Failure
	R	0	Very Poor - Failure
Grade Not Reported	(NR)	0	
Success	S		Equivalent to "D-" or better; not calculated in AGPA, CGPA or FFGPA.
No Success	NS		Equivalent to "F"; not calculated in AGPA, CGPA or FFGPA.
Credit	CR		Equivalent to "D-" or better; not calculated in AGPA, CGPA or FFGPA. See details under Credit/No Credit (CR/NC) Grading Basis.
No Credit	NC, NCS, NCR		Equivalent to "F"; not calculated in AGPA, CGPA or FFGPA. See details under Credit/No Credit (CR/NC) Grading Basis.

Just passing courses required to fulfill curriculum requirements is not sufficient to qualify a student to graduate. There is also an academic performance requirement (grade point average) in most degree and certificate programs. See the pertinent section of each Faculty's entry in the Calendar for complete details:

- Section 31 Faculty of Arts and Science
- Section 61 John Molson School of Business
- Section 71 Gina Cody School of Engineering and Computer Science
- Section 81 Faculty of Fine Arts

Credit/No Credit (CR/NC) Grading Basis

The Credit/No Credit (CR/NC) grading policy supports interdisciplinary exploration by encouraging curiosity and by allowing students to pursue learning in unfamiliar areas. The policy facilitates a well-rounded education by allowing students freedom to experiment and by encouraging them to take risks when selecting an elective outside their chosen program of study, without fear of decreasing their GPAs.

Students taking a course on a CR/NC basis are not identified individually to the instructor teaching that course. They will be assessed in the same way as all other students in the course (will have the same assignments and tests and will be evaluated with the same expectations). The result is adjusted to a "CR" or "NC" by the Office of the Registrar based on the final grade submitted by the instructor. Students must achieve a grade of D- or higher in order to be awarded the CR notation. Students who do not achieve a passing grade will receive an NC notation on their transcript, indicating that no credit is awarded. The CR and NC notations do not have any impact on the student's AGPA, CGPA or FGGPA.

Eligibility Criteria

Students may attempt a maximum of one course per year of full-time academic study (defined as 30 credits of completed coursework) with a CR/NC notation, up to a maximum of 12 credits attempted within their degree. Students may only use the CR/NC grading basis for out-of-program elective courses that are outside of their main discipline. Exceptions apply to students enrolled in a BEng or BCompSc degree, as well any programs listed under "Exceptions." Please refer to the detailed criteria outlined below.

Out-of-program elective courses are defined as courses that count towards satisfying the degree requirements but that do not count towards satisfying the requirements for the student's chosen program(s) of concentration, including major, minor, specialization and honours programs. Students are permitted to apply the CR/NC courses towards satisfying the requirements for one of the Interdisciplinary Elective Groups.

Students are responsible for ensuring that the courses selected for the CR/NC grading basis meet the eligibility criteria listed below.

Students considering pursuing graduate or professional school should be cautious in using the CR/NC grading basis. All prerequisite courses for a graduate program should be taken for a letter grade.

Please refer to the Credit/No Credit web page for details on how to submit a request.

The following eligibility criteria apply, according to the student's primary program of study:

BA, BEd, and BSc

Students enrolled in a BA, BEd, or BSc degree may only select out-of-program elective courses outside of their disciplinary sector for the CR/NC grading basis. The disciplinary sectors comprising the Faculty of Arts and Science are Humanities, Social Science, and Science. For details related to the disciplinary sectors, see Section 31.004 General Education. Exceptions apply to the Specialization in Early Childhood and Elementary Education, and Specialization in Teaching English as a Second Language. Please see details under "Exceptions" below.

BComm and BAdmin

Students enrolled in a BComm or BAdmin degree may only select courses outside of JMSB for the CR/NC grading basis.

BCompSc and BEng

Students may attempt a maximum of one course within their BEng or BCompSc degree to receive a CR/NC notation. This maximum applies to all students, including those who entered their degree through the Mature Entry Program or Extended Credit Program.

BCompSc students may only use the CR/NC courses towards satisfying the General Electives: BCompSc requirement listed in Section 71.70.2 Degree Requirements (BCompSc) or a program technical elective.

BEng students may only use the CR/NC grading basis to satisfy the General Education Humanities and Social Sciences Electives listed in Section 71.110 Complementary Studies for Engineering and Computer Science Students or a program technical elective.

BFA

Students enrolled in a BFA degree may only select out-of-program elective courses outside of the Faculty of Fine Arts for the CR/NC grading basis. Exceptions apply to the Specialization in Art Education – Visual Arts. Please see details under "Exceptions" below.

Transfer Credits

If students request a degree transfer or a modification to their program concentration by adding a new minor, major, specialization or honours program, and a course previously taken as a CR/NC elective becomes a required course for the new program concentration, the CR notation will be converted to a letter grade. Only courses with a grade of D- or better may be converted from a CR notation to a letter grade and all conversions must be approved by an academic advisor. The reversal of the CR notation to a letter grade is permanent. Courses with a grade of NC will not be converted to a letter grade. If a course that receives an NC notation is a required course for the new program concentration, students must repeat the course to receive a letter grade.

Exceptions

Exceptions apply to the following programs:

1) BA Specialization in Early Childhood and Elementary Education

Students may use CR/NC courses towards satisfying the in-program General Education Elective course requirements under Group C: Specialization in Early Childhood and Elementary Education, provided that the courses fall outside of the students' disciplinary sector.

2) BEd Specialization in Teaching English as a Second Language

Students may use CR/NC courses towards satisfying the 24 credits of in-program electives chosen from a list approved by the Department, provided that the courses fall outside of the students' disciplinary sector.

3) BFA Specialization in Art Education – Visual Arts

Students may use CR/NC courses towards satisfying the six credits of in-program free electives, provided that the courses are taken outside of the Faculty of Fine Arts.

Exclusions

Mature Entry Program and Extended Credit Program

Students may not select the CR/NC grading basis for any of the specific courses defined within the their Mature Entry or Extended Credit Program requirements. Students may only select the CR/NC grading basis towards satisfying the elective courses included in the requirements for the Mature Entry or Extended Credit Program that they are admitted to.

Non-Degree Programs

Students enrolled in Certificate programs, Microprograms and the Kaié:ri Nikawerá:ke Indigenous Bridging Program are not eligible for the CR/NC notation.

Independent Students, Visiting Students and Exchange Students

Independent students, visiting students and exchange students are not eligible to select CR/NC for any courses taken at Concordia.

Graduate Students

Graduate students are not eligible for the CR/NC notation.

Excluded Courses for All Students

Students may not choose the CR/NC notation for the following categories of courses:

1) Courses which satisfy the student's major, minor, specialization or honours requirements;

2) courses identified as "deficiencies";

3) courses that are required for admission as a degree transfer student;

4) Kaié:ri Nikawerá:ke Indigenous Bridging Seminar Courses

5) Indigenous Land-Based Education Courses;

6) Complementary University Credit (CUC) Courses;

7) Humanities+ Courses;

8) Career Fundamentals Courses and Work-Integrated Learning and Reflective Learning Courses;

9) internship and fieldwork courses;

10) independent study courses and thesis courses;

11) courses marked on pass/fail basis;

12) English as a Second Language Courses;

13) courses taken as part of the Inter-university (INTU) transfer process;

14) Actuarial Mathematics accreditation courses: ACCO 230; ECON 201; ECON 203; FINA 395;

15) courses required as part of a sanction imposed under the Academic Code of Conduct.

Deadlines

Students must request to have a course graded on a CR/NC basis no later than one calendar week before the DNE deadline. Please see Section 11 Academic Calendar for details regarding academic deadlines and the Credit/No Credit web page for details on how to submit a request.

This request is subject to approval by an advisor. If a request is rejected after the official DNE deadline, the standard grading basis applies.

Students who elect to complete a course on a CR/NC basis may request to revert to taking the course on a graded basis up until the DISC deadline. No further changes to the grading mode can be made after these deadlines.

Students are responsible for ensuring that the courses they select meet the Eligibility Criteria.

Students considering pursuing graduate or professional school should be cautious in using the CR/NC grading basis. All prerequisite courses for a graduate program should be taken for a letter grade.

Repeating CR/NC Courses

Students are permitted to repeat a completed course graded as "CR" or "NC" if they wish to receive a letter grade for the course, and the deadline to reverse the CR/NC notation has passed. See Section 16.2.6 Repetition of Courses for further details pertaining to repeated courses.

Section 16.1.12 Official Transcripts of Credits

An official transcript of credits (hereafter “official transcript”) is a version of the student record intended for the use of external institutions, organizations, and employers. It is a complete academic record and includes all undergraduate and/or graduate courses followed at Concordia. It is accompanied by an explanation of its terminology and is sent directly to the addressee at the written request of the student, provided there is no outstanding balance owing to the University. An official transcript is printed on security paper, and is signed and sealed by the University Registrar.

Details on how to request an official transcript may be found at concordia.ca/students/records/transcripts/request-official-transcripts.

Section 16.2 Curriculum Regulations

Section 16.2.1 Modifications to Academic Programs and Regulations

Section 16.2.2 Residence Requirements

Section 16.2.3 Degree Regulations

Section 16.2.4 Concentration Requirements

Section 16.2.5 Writing Skills Requirements

Section 16.2.6 Repetition of Courses

Section 16.2.1 Modifications to Academic Programs and Regulations

With the exception of the following conditions, the curriculum requirements in effect at the time students are admitted or readmitted to a program (e.g. BA, BFA, Certificate in Business Studies) and/or concentration (e.g. major, specialization), are the requirements that apply to them until they complete their program.

1. The University reserves the right to modify academic program requirements in the light of (a) changing trends in academic and professional fields, and (b) the availability of resources. In the exceptional event that a program is substantially altered by the University Senate, the University recognizes its responsibility to offer suitable transition arrangements for students. The new program requirements should become effective for all students no later than five years after the effective date of change for newly admitted students.
2. When a program is discontinued, the University recognizes its responsibility to offer courses in the program while phasing it out according to a schedule appropriate to the needs of the affected students. Students will be informed of the schedule when the decision is made to phase the program out.
   When students in a discontinued program have not been registered for three years, it may not be possible to enable them to complete that program. They may, however, transfer into another program in the University for which they meet the admission requirements.
3. Where students acquire credit towards a degree or certificate in a discontinuous manner and over a protracted time, the University reserves the right, at any time, to require them to take further credits or fulfill additional requirements to obtain that degree, certificate, or microprogram.
4. Modifications to the academic regulations in Section 16.1 General Information and Section 16.3 Evaluation, Administrative Notations, Examinations, and Performance Requirements become effective for all students on a given date regardless of the student's date of admission to a program, with the following exceptions:- Section 16.1.9 High Academic Achievement - Section 16.2.2 Residence Requirements - Section 16.3.10 Academic Performance
5. Modifications to these three regulations apply only to students admitted or readmitted to a program on or after the effective date of such modifications.
6. In the event a student is readmitted after failing an academic year, the University reserves the right to require the student to take additional credits or to repeat certain courses. The student is also subject to changes in academic regulations or program requirements in effect at the time of the student's readmission.
7. Notwithstanding the above, all students in Engineering programs are required to meet the Canadian Engineering Accreditation Board (CEAB) standards. Students are required to graduate having met the substantial equivalent of the curriculum in force in the winter term prior to degree conferral. It is the student's responsibility to ensure that their course selection meets the program requirements for their graduation. For further information, see Section 71.10.7 Curriculum Requirements and Course Sequences.

Section 16.2.2 Residence Requirements

Residence requirements define the number of credits that students working towards a Concordia University degree must take at the University itself.

1. Of the total number of credits required for an undergraduate degree, students must take a minimum of 50 per cent of the credits at Concordia. Of the total number of credits required for an undergraduate certificate, students must take a minimum of 60 per cent of the credits at Concordia. In the case of microprograms, 100 per cent of the credits must be taken at Concordia.

2. At least 50 per cent of the credits for honours, specializations, majors, minors, or other concentrations must be taken at Concordia. The BComm and BAdmin programs also require that at least 50 per cent of the core courses be taken at Concordia.

3. Concordia University students who wish to include courses taken at another university within their residence requirements must obtain permission **in advance** from their Faculty Student Request Committee. Those wishing to engage in interuniversity exchanges in Quebec or student exchange programs should refer to Section 16.1.6 Recognition of Acquired Competencies: Academic and Non-Academic Learning.

4. Students who already have an undergraduate degree may undertake a second undergraduate degree, subject to the conditions below. Before registering, such students should consider whether their purpose might be better served by enrolling in a graduate degree, diploma, or certificate program. To obtain a second undergraduate degree, students must:

a) Apply and register in a program with a higher concentration than a minor, and

b) Complete at least two-thirds of the credits normally required for the second degree in courses other than those credited to the first degree - for example, a minimum of 60 credits must be complete when the normal requirement is 90 credits, and

c) Complete at least 36 credits in the new field of concentration.

d) An exception to 4b) above, is the BEd Specialization in Teaching English as a Second Language, for which students must complete at least half of the 120 credits required for the second degree in courses other than those credited to the first degree.

5. Any student who is accepted at Concordia University after failing or compiling an unsatisfactory record at another university, will generally be required to complete at least 60 credits at Concordia.

Section 16.2.3 Degree Regulations

The regulations relating to degree requirements are located in the Faculty sections:

- Section 31 Faculty of Arts and Science
- Section 61 John Molson School of Business
- Section 71 Gina Cody School of Engineering and Computer Science
- Section 81 Faculty of Fine Arts

Section 16.2.4 Concentration Requirements

Every undergraduate program requires a cohesive sequence of courses. To graduate in a degree program, a student must complete one of the following concentrations: honours, specialization, major. Under certain conditions, a student may be eligible to obtain a baccalaureate degree through the accumulation of certificates. In the Gina Cody School of Engineering and Computer Science, concentrations are referred to as programs. Most of these programs have options, where students take a number of related courses in a chosen area. Honours is a highly concentrated program with a required performance level; the specialization and the major require varying degrees of concentration, normally without a performance requirement. An honours, specialization, or major can be combined with a minor. In some circumstances, a double major is also possible.

1. Honours Programs

The University offers programs leading to an honours degree in certain disciplines. The honours program consists of 60 or more credits in a discipline, with superior performance required to enter and remain in the program. In their first year, students may register in honours program courses, but their acceptance as honours **students** will depend on their performance. Students who

do not meet requirements for honours standing may proceed in either a specialization or a major program.

There are minimum academic standards for honours programs. The honours student must:

1. meet general degree requirements and the specific requirements for an honours program.
2. maintain a grade point average (GPA) of 3.00 in all honours courses; the minimum acceptable grade in any honours course is "C."
3. have a minimum GPA of 2.70 for honours courses taken each year. For part-time students this is calculated in 18-credit blocks.
4. have a GPA of no less than 2.00 in non-honours courses.

Honours students who do not meet these standards will be withdrawn from the honours program and will proceed in the major or specialization program. Reinstatement in the honours program is possible only with the permission of the Faculty Honours Committee.

The programs and particular Faculty regulations are listed in the Faculty sections under "Honours Programs."

2. Specialization Programs

A specialization is a sequence of courses totalling 60 or more credits. In a few cases it includes a performance requirement. In addition to courses in a particular discipline, the specialization may include courses in other closely related fields.

3. Major Programs

A major is a sequence of courses totalling 36 or more credits, except in the John Molson School of Business where the major consists of at least 24 credits in a particular discipline in addition to the required 48-credit JMSB Core. The major may include certain courses in other closely related fields.

4. Minor Programs

A minor is a sequence of courses totalling 24 or more credits, except in the John Molson School of Business where the minor consists of at least 12 credits in the chosen discipline in addition to the required 48-credit JMSB Core.

5. Combined Programs

An honours, specialization, or major program may be combined with a minor. In some circumstances, a major program may also be combined with another major program.

6. Certificate Programs

An undergraduate certificate is a coherent program, usually of 30 credits, made up of regular undergraduate courses. Courses taken as part of a certificate program are normally applicable to the appropriate undergraduate degree. There is no guarantee that a certificate program can be completed in one academic year.

7. Microprograms

An undergraduate microprogram is a coherent program, usually of 9-15 credits, made up of regular undergraduate courses. A microprogram is normally completed within one or two academic terms.

8. Baccalaureate by Accumulation

Under certain conditions, a student may earn a baccalaureate degree through the accumulation of a minimum of three certificates in eligible disciplines. The Faculties and Schools under which the baccalaureate degree is offered shall determine criteria for specific certificate programs eligible for application towards the degree.

Students must satisfy the following conditions in order to qualify for a Baccalaureate by Accumulation:

1. A declaration of intention to complete a Baccalaureate by Accumulation must be submitted at the time of admission to the third certificate.
2. A minimum of 90 credits must be obtained through the accumulation of a minimum of three certificates in order to qualify for the degree. Students admitted to the Extended Credit Program (ECP) and the Mature Entry Program (MEP) are required to take additional credits. See Section 14 Alternative Entry of the Calendar for regulations pertaining to the Mature Entry Program (MEP). See Section 13.3.2 Applicants from Secondary School Curriculums from Outside Quebec of the Calendar for regulations pertaining to the Extended Credit Program (ECP).
3. The credits obtained for any course may not be used to satisfy the requirements of more than one program of study, including certificate, minor, major, specialization, and honours programs.
4. Under certain conditions, where admission requirements permit, students may apply a certificate completed at an institution other than Concordia towards the Baccalaureate by Accumulation. The following conditions must be met:
   a) At least 50 per cent of the credits for the Baccalaureate by Accumulation must be taken at Concordia.
   b) The final certificate must be completed at Concordia.
5. Students who already have a baccalaureate degree and wish to pursue a second degree through the Baccalaureate by Accumulation program are subject to the conditions below. Before registering, such students should consider whether their purpose might be better served by enrolling in a graduate degree, diploma, or certificate program. To obtain a second undergraduate degree, students must:
   a) Apply, register and successfully complete two additional certificates (a minimum of 60 credits total) eligible to be applied towards a Baccalaureate by Accumulation.
   b) At least two thirds of the credits applied towards the second degree must be in courses other than those credited to the first degree — for example, a minimum of 60 credits must be completed when the normal requirement is 90 credits.
   Students who already have a Baccalaureate by Accumulation who wish to undertake a second Baccalaureate degree through the traditional structure are subject to the Residence Requirements outlined in Section 16.2.2 Residence Requirements.
6. Only specific certificates may be deemed as eligible for application towards a Baccalaureate by Accumulation by the granting Faculty or School. All baccalaureate degrees are subject to the admission and graduation criteria established by the Faculties and Schools under which they are offered.
7. All candidates must satisfy the admission criteria for each certificate; admission into one certificate does not guarantee admission into other certificates. The specific admission requirements are listed on the Concordia website.
8. Students are eligible for graduation only once they have satisfied all of the above criteria. Eligibility for graduation is normally assessed following the successful completion of a minimum of three certificates deemed eligible for application towards a Baccalaureate by Accumulation by the granting Faculty or School.

9. Bridging Program

An undergraduate bridging program is a coherent program, usually of 18-30 credits, that may be made up of both academic undergraduate and university skills courses. A bridging program is designed for students who are required to upgrade their academic background and acquire the prerequisites necessary to gain entry to an undergraduate degree program. Courses taken as part of a bridging program are normally applicable to a specific undergraduate degree. A bridging program does not lead to the awarding of a credential.

10. Integrated Path

An integrated path from a bachelor's degree to a graduate program allows undergraduate students to start graduate-level coursework while still completing their undergraduate studies. This enables undergraduate students who are interested in pursuing a graduate degree to earn credit towards their undergraduate degree and accelerate the completion of their graduate program if they choose to continue.

Under certain conditions, students may declare their intention to pursue an available integrated path during their undergraduate studies. Graduate courses that are successfully completed will be credited towards the program requirements of the bachelor's degree, and may be credited at the graduate-level if the students are admitted to a graduate program that includes these courses, and if the students have obtained a minimum grade of B.

Please see the Integrated Path website for more information about submission processes: concordia.ca/integratedpath.

Students must satisfy the following conditions in order to qualify for an integrated path:

1. Submit a declaration of intention to pursue graduate studies through an integrated path.
2. Be in acceptable academic standing
3. . Have a minimum of 60 credits completed at the undergraduate level, with relevant courses completed in the discipline.
4. Have a minimum cumulative grade point average (CGPA) of 3.0/4.3.

The Departments under which the integrated path is offered may determine additional eligibility criteria.

The following conditions apply to undergraduate students who enrol in graduate-level courses during their undergraduate program:

1. A maximum of 16 credits of graduate-level courses may be attempted while in an undergraduate degree program.
2. Normally, students pursuing an integrated path can enrol in a maximum of two graduate-level courses per term.
3. Each graduate-level course is subject to the evaluation and grading system defined in the Graduate Calendar.
4. Undergraduate students are not permitted to write supplemental examinations for graduate-level courses.
5. The grade obtained in the graduate-level course will contribute to the cumulative grade point average (CGPA), final graduation grade point average (FGGPA), term grade point average (TGPA), and assessment grade point average (AGPA) of the undergraduate program, and will be considered when assessing academic performance. See Section 16.3.10 Academic Performance for complete details.

Undergraduate students who pursue an integrated path are required to submit an application for a graduate-level program and are subject to the established graduate admission criteria at the time of application. Pursuing an integrated path during an undergraduate program does not guarantee admission to a graduate program.

Section 16.2.5 Writing Skills Requirements

Students admitted into the Gina Cody School of Engineering and Computer Science must meet a writing skills requirement. (See Section 71.20.7 Writing Skills Requirement.)

Section 16.2.6 Repetition of Courses

1. Students may repeat a failed course or a course awarded an "NC" notation only once. Nevertheless, a student who fails a required course twice may appeal to the appropriate Student Request Committee for permission to take the course a third time. If permission is not granted, the student may not be allowed to continue in the University towards that program and/or degree.
2. Students who have received a failing grade for a course may not request the CR/NC grading basis if they repeat the course.
3. Students who have received a passing grade or a "CR" notation for a course may repeat the course for personal reasons (e.g. to meet an external requirement) only once. The student record and official transcript will include all grades, but grades with the "REPT" notation will carry no credit value.
4. Students who want or need to repeat a course that is a prerequisite to other courses must do so before taking any following course in the sequence. If a specific letter grade is required to progress to more advanced courses, students are responsible for verifying the prerequisite requirements before requesting the CR/NC grading basis.

5. The grade corresponding to the latest attempt of the course will be used for calculating the cumulative grade point average (CGPA: see Section Section 16.3.10 Academic Performance II.b Cumulative Grade Point Average) and the final graduation grade point average (FGGPA: see Section 16.3.10 Academic Performance II.c Final Graduation Grade Point Average).
6. In the case of courses taken more than once in the same assessment period, only the grade corresponding to the latest attempt of the course will be used in the calculation of the assessment grade point average (AGPA: see Section 16.3.10 Academic Performance II.a Assessment Grade Point Average).
7. A grade obtained as the result of a penalty for academic misconduct will remain in the calculation of the AGPA, the CGPA, and the FGGPA whether or not the course has been repeated.

Section 16.3 Evaluation, Administrative Notations, Examinations, and Performance Requirements

Section 16.3.1 Evaluation

Section 16.3.2 Language of Instruction and Examination

Section 16.3.3 Failing Grades and Administrative Notations

Section 16.3.4 Administrative Notations

Section 16.3.5 Late Completion of Courses with "INC" Notations — Procedures and Regulations

Section 16.3.6 In Progress "IP" Notations — Procedures and Regulations — Faculty of Arts and Science

Section 16.3.7 Final Examinations

Section 16.3.8 Deferred "DEF," Medical "MED" Notations and Supplemental Examinations — Procedures and Regulations

Section 16.3.9 Academic Re-evaluation

Section 16.3.10 Academic Performance

Section 16.3.1 Evaluation

A university degree or certificate attests that its holder has attained a measurable level of achievement as established by a recognized system of evaluation. Thus the performance of each student in each course must be evaluated by the instructor or instructors responsible for the course.

Final grades are determined by students' performance on one or more of the following:

1. assigned work, term papers, projects, etc.
2. class participation which, in certain disciplines, may justify an attendance requirement
3. progress tests
4. laboratory tests and/or laboratory work
5. mid-term and/or final examinations
6. level of written expression.

The weight accorded to the various elements is at the discretion of the instructor or instructors responsible for the course.

At the beginning of a course the instructor will provide students with the evaluation scheme in writing. The scheme cannot be altered without appropriate notice.

To ensure informed decision-making, all students must be given the opportunity to receive feedback regarding their progress in a course prior to the DISC date. All students who have completed the coursework required to receive feedback from their instructor must receive feedback that is equivalent to 20 per cent of their final grade at least five calendar days prior to the DISC deadline stated in Section 16.1.5 Withdrawal. Cases where students are absent from class or fail to complete the required coursework shall be treated as an exception to this requirement. For courses that are delivered on a compressed schedule, the deadline shall be two calendar days.

For courses where it is difficult to achieve a numeric gradebecause coursework consists of a single piece of work and/or isbased predominantly (or solely) on student presentations (e.g.supervised or independent study, honours thesis, capstone, inquiry, and experiential courses), or where the course is graded as either Pass or Fail:

- Clear and formative feedback must be provided five calendar days prior to the DISC date.

For courses that are delivered on a compressed schedule:

- The deadline for feedback shall be two calendar days.

Normally in the winter term and summer session, an instructor will submit final grades no later than seven calendar days after the scheduled final examination in a course or, where there is no final examination, seven calendar days after the last scheduled class in a course. All final grades for all courses are **required** to be submitted no later than seven calendar days after the University's last scheduled final examination. For the fall term, all final grades for all courses are required to be submitted no later than three days after the University re-opens following the Holiday closure period. This deadline will not necessarily align with the start of winter-term classes. In the case of grades for potential graduates, instructors are required to submit final grades no later than three calendar days after the scheduled final examination in a course or, where there is no final examination, three calendar days after the last scheduled class in a course. There may be additional delays before grades are posted as approvals of the grades and processing time are necessary. Students may obtain their grades via the Student Hub.

Final grades and grade changes are official only when they have been approved by the appropriate Faculty Dean or delegate.

The University reserves the right to make corrections at any time in case of error.

Section 16.3.2 Language of Instruction and Examination

While courses at Concordia University are normally taught in English, if students prefer, they may write assignments and examinations in either English or French. However, language and literature courses may require assignments and examinations to be written in the language being studied. Students who wish to write in French should ask at the beginning of a course whether their instructor can read French or whether someone else will evaluate their work. If the work must be read by another person, extra correction time may be required.

Section 16.3.3 Failing Grades and Administrative Notations

Failing Grades "F,""FNS,""R," and "NR" notations

1. "F" indicates failure in a course in which a supplemental examination is available.
2. "FNS" indicates failure in a course in which no supplemental examination is available.
3. In a course graded "R," a student is not permitted to write a supplemental examination, apply for a "MED" or "DEF" notation, or complete work late.
4. "NR" stands for not reported and indicates that a student appears to have withdrawn from a course unofficially. It is assigned by the instructor when no material is available to evaluate and the instructor has been unable to submit a grade. "NR" carries a grade point value of zero and counts as a failure.
   In a course with an "NR," a student is not permitted to apply for a "MED" or "DEF" notation, write deferred or supplemental examinations, or complete work late.
5. "NC" stands for no credit and indicates failure in a course. "NC" is not calculated in the AGPA, CGPA or FFGPA. See details under Credit/No Credit (CR/NC) Grading Basis.
6. "NCS" stands for no credit and indicates failure in a course in which no supplemental examination is available. "NCS" is not calculated in the AGPA, CGPA or FFGPA. See details under Credit/No Credit (CR/NC) Grading Basis.
7. "NCR" stands for no credit and indicates failure. In a course graded "NCR," a student is not permitted to write a supplemental examination, apply for a "MED" or "DEF" notation, or complete work late.

Section 16.3.4 Administrative Notations

"APEL," "CODE," "CUC," "DEF," "DISC," "DNE," "DNS," "DNW," "EREM," "EX," "EXCL," "EXTR," "INC," "INIS," "INIT," "LATE," "MED," "NOCR," "PEND," "PEX," "PTR," "REPT," "REV," "RPL," "RPT," "SRCR," "SREP," "SUPP," "TRC," "TREM," "VALD," "WRKT"

1. "APEL" stands for Under Appeal. It indicates that the grade obtained is under appeal.

2. “CODE” stands for Academic Code of Conduct Decision, and it is a repetition code that appears only on the student record. It indicates that the grade obtained as a result of a penalty for academic misconduct is included in the calculation of the GPAs whether or not the course has been repeated.
3. “CUC” stands for Complementary University Credits and indicates credits earned as part of a Complementary University Credit certificate or individual study skills courses. These credits are not considered as program credits earned in any other degree or Faculty certificate program or Independent studies.
4. “DEF” stands for Deferred and indicates that a student has been unable to write a final examination due to unforeseeable circumstances beyond the student’s control. A “DEF” notation carries no grade point value. For information on how to apply for “DEF” notations and the regulations that govern them, see Section 16.3.8 Deferred “DEF,” Medical “MED” Notations and Supplemental Examinations — Procedures and Regulations.
5. “DISC” stands for Discontinued and indicates that a student has properly withdrawn from a course after the end of the course-change period. The notation appears permanently on the student record and official transcript. It carries no grade point value and does not count in assessments of academic standing, but does count towards a student’s status (i.e. full- and part-time).
6. “DNE” stands for Did Not Enter and is a temporary notation indicating that a student has officially withdrawn from a course by the deadline for withdrawal with tuition refund. The course and “DNE” notation are subsequently removed from the student record.
7. "DNS" stands for Did Not Submit and indicates that a student has not submitted the final assigned work for a course, such as term papers or projects. The notation is used only in combination with a letter grade (such as “F/DNS,” “B/DNS”).
8. “DNW” stands for Did Not Write and indicates that a student has not written the final examination for a course. The notation is used only in combination with a letter grade (such as “F/DNW,” “B/DNW”). A student in good standing may write a supplemental examination (if available) in a course with a “DNW” unless the grade is “R/DNW,” “NR/DNW,” “FNS/DNW” or “NCS/DNW.” For information on how to apply for supplemental examinations and the regulations that govern them, see Section 16.3.8 Deferred “DEF,” Medical “MED” Notations and Supplemental Examinations — Procedures and Regulations.
9. “EREM” stands for Exemption Received Credit Removed and indicates that the credit earned for this course is not retained because it is a repetition of a course for which the student has already received exemption.
10. “EX” stands for Exemption and indicates an exemption awarded for a course completed at another institution (no credit value).
11. “EXCL” stands for Exclude and indicates that the grade is excluded from the GPA calculation when a course has been assigned a failing grade and that course is subsequently repeated and assigned a passing grade.
12. “EXTR” stands for Extra Credits and indicates that the grade is excluded from the GPA calculation but may be used in a future program.
13. “INC” stands for Incomplete and indicates that a student has not completed required course work, such as a term paper, assignment, or laboratory and that the instructor has agreed to accept the work after the due date. The notation is used only in combination with a letter grade (such as “F/INC,” “C/INC”) and is assigned on the basis that the missing work is weighted as zero. When appropriate, “DNW” and “INC” can be used simultaneously (e.g. “F/INC/DNW”). For information on how to apply to complete courses with an “INC” notation, and the regulations that govern late completion, see Section 16.3.5 Late Completion of Courses with “INC” Notations — Procedures and Regulations.
14. "INIS" stands for Initial Attempt and indicates the initial attempt of a course for which the student has written a supplemental exam.
15. “INIT” stands for Initial Attempt and indicates the initial attempt of a course that was subsequently repeated.
16. “LATE” stands for Late Completion Grade Obtained and indicates the final grade that replaces the grade attached to the initial enrolment. Only the final grade is included in the GPA. (Used from 1977-92.)
17. “MED” stands for Medical and indicates that a student has been unable to write a final examination or complete other assignments due to a long-term medical situation. A “MED” notation carries no grade point value. For information on how to

apply for “MED” notations and the regulations that govern them, see Section 16.3.8 Deferred “DEF,” Medical “MED” Notations and Supplemental Examinations — Procedures and Regulations.

18. "NOCR" stands for No Credit and indicates that the credit earned for this course is not retained due to an academic regulation for the course and/or program.
19. “PEND” stands for Pending, is assigned by the University Registrar, and indicates that the grade is not available at this time.
20. “PEX” stands for Potential Exemption and indicates a potential exemption for a course still in progress at another institution (no credit value).
21. “PTR” stands for Potential Transfer Credits and indicates a potential transfer credit for a course still in progress at another institution.
22. “REPT” stands for Repeat and indicates that the credit earned for this course is not retained because it is a repetition of a course or of similar course material for which the credit has already been earned.
23. "REV" stands for Under Review. It indicates that the grade obtained is under review.
24. “RPT” stands for Report and indicates report work completed by a student in a co-operative education program. These credits are not considered as program credits earned.
25. "RPL" stands for Recognition of Prior Learning and indicates academic credit awarded in recognition of prior learning acquired outside of traditional academic pathways.
26. “SRCR” stands for Special Course Permission and indicates that special permission was given to take the same course more than twice where no credits were earned in previous attempts.
27. “SREP” stands for Special Course Repetition and indicates that special permission was given to take the same course more than twice where credits are earned at the initial or second attempt.
28. “SUPP” stands for Supplemental and indicates that supplemental examination credits and grade obtained are retained and included in the cumulative GPA and assessment GPA.
29. “TREM” stands for Transfer Credit Received, Credits Removed and indicates that the credit earned for this course is not retained because it is a repetition of a course for which transfer credit has already been awarded.
30. “TRC” stands for Transfer Credits and indicates transfer credit awarded for a course completed at another institution.
31. “VALD” stands for Valid and identifies a new course with the same course name and number as other courses previously enrolled in. It is not considered as a repetition.
32. “WRKT” stands for Work Term and indicates work completed by a student during a co-operative education work term. These credits are not considered as program credits earned.

Section 16.3.5 Late Completion of Courses with “INC” Notations — Procedures and Regulations

1. The deadlines for completion of course assignments are given to students on the first day of class. The “INC” notation is assigned when an instructor has agreed that a student may complete work after the deadline.
2. A student with an “R” or “NCR” grade or “NR” notation in a course may not apply for late completion in that course.
3. Students must apply for late completion of a course. Applications for Late Completion are available at the Birks Student Service Centre. For each course a processing fee applies. (See the Tuition and Fees website at concordia.ca/students/financial/tuition-fees for the current fee.) Completed applications must be returned to the Birks Student Service Centre by:
   February 1: Fall-term courses
   May 15: Winter-term and fall/winter courses
   September 1: Summer-session courses
4. The completed work must be submitted by:
   February 15: Fall-term courses

May 30: Winter-term and fall/winter courses
September 15: Summer-session courses

5. It is the responsibility of the instructor to submit a final grade within five days of these dates.

Section 16.3.6 In Progress "IP" Notations — Procedures and Regulations — Faculty of Arts and Science

1. The IP notation is assigned when an instructor has agreed that the work of a student in a course may be submitted past the time for reporting grades. At the undergraduate level the IP notation is applicable **only** to the completion of an honours thesis, internship or fieldwork outside of the University, or directed study or research. Students should refer to Section 31.003.3 In Progress "IP" Notations for a list of applicable courses within the Faculty of Arts and Science. In all cases, the assignment of this notation is due to third party involvement in course work, where it is beyond the control of the instructor and/or the student for the student to complete the work within the required deadline.
2. The completed work must be submitted by:
   April 1: Fall-term courses
   August 1: Winter-term and fall/winter courses
   December 1: Summer-session courses
3. It is the responsibility of the instructor to submit a final grade within 10 days of these dates.
4. If the completed work is not submitted by the stated deadline, the IP notation will be changed to a letter grade.

Section 16.3.7 Final Examinations

Students must present identification in order to write any examination. Acceptable identification is: Concordia student ID card or Medicare card or driver's licence that bears the photo and signature of the student. Unless expressly permitted by the instructor, the possession of electronic communication devices is prohibited during examinations.

I. Final Examinations

1. Section 11 Academic Calendar lists the official examination periods.

2. Examination schedules are available to students through the Concordia website on the Student Hub.

3. Because special arrangements cannot be made in the event of personal time conflicts (including personal travel plans), students should not make commitments for the examination periods until after the final schedule is posted. Nonetheless, in certain documented circumstances, a student who will not be in the Montreal area during the official final examination period can request to write his/her examination at another university or college.

A student who needs to write at an external institution must submit a "Request to Write a Concordia University Exam at an External Institution" available from the Birks Student Service Centre. The completed request should be submitted to the Birks Student Service Centre within the following deadlines:

- November 15: for December final examination period
- April 1: for AprilMay final examination period
- June 1: for June final examination period
- August 1: for August final and replacement/supplemental examination period.

The request must be accompanied by a per-course processing fee. (See the Tuition and Fees website at concordia.ca/students/financial/tuition-fees/rates/undergraduate)

Among the factors considered in the review of the request is the suitability of the testing location, testing conditions, and time constraints. The institution chosen must be an accredited university or college and the proctor/invigilator must be an employee of that institution and must agree to administer the exam(s) at the exact same date and time as scheduled at Concordia University and time differences must be taken into account.

The student is responsible for any fees that may be charged by the external institution.

4. An examination "conflict" is defined as two examinations scheduled at the exact same day and time or three examinations scheduled in consecutive time blocks (9:00-12:00, 14:00-17:00, 19:00-22:00; 14:00-17:00, 19:00-22:00, 9:00-12:00; 19:00-22:00, 9:0012:00, 14:0017:00). Two examinations in one day or three examinations in 24 hours are not considered a "conflict." When a "conflict" exists, students are informed on the My Student Centre (View My Exam Schedule page) and are provided with a deadline by which they must advise how they intend to resolve the "conflict." If a course has an "alternate" examination, there will be an "Alternate Available" date(s) displayed. Please be aware that the "Alternate Available" date(s) shown is intended for students who have a "conflict" in their examination schedule. Students who do not have an examination "conflict," as defined above, are obliged to write their examination on the date that is indicated in the "Exam Date" column.

Students who cannot write an examination due to work commitments or religious observations may also request permission to write an "alternate" by reporting their conflict and providing the appropriate documentation in support of their request. Further information is available by contacting the Registration and Examinations Office. Also see III. Deferred, Replacement, Supplemental, and Alternate Examination Periods.

5. No student will be admitted to the exam room if his/her name does not appear on the roster of students assigned to write in that room.

6. No candidate will be permitted to enter an examination room after the first third of the examination has elapsed, or to leave before the first third of the examination has elapsed:

- 3 hour examination: no entry after first 60 minutes has elapsed; no exit before first 60 minutes has elapsed
- 2.5 hour examination: no entry after first 50 minutes has elapsed; no exit before first 50 minutes has elapsed
- 2 hour examination: no entry after first 40 minutes has elapsed; no exit before first 40 minutes has elapsed
- 1.5 hour examination: no entry after first 30 minutes has elapsed; no exit before first 30 minutes has elapsed
- 1 hour examination: no entry after first 20 minutes has elapsed; no exit before first 20 minutes has elapsed

7. Students will be assigned to a specific desk/seat location.

8. Student ID cards will be collected at the time of "signing-in" and will be returned when "signing-out."

9. Students may not leave the exam room during the last 15 minutes.

10. **If during the course of an examination a student becomes ill, the student should report at once to the invigilator, hand in the unfinished paper and request that the examination be cancelled. Before leaving the University, the student must also visit the Temporary Examinations Office location in order that a report of the situation may be filed.**

11. If a student completes an examination, even though he/she is ill or faced with other personal problems or situations, the subsequent grade obtained in the course must stand. Petitions on the grounds of illness **will not be considered**.

12. In the fall and winter terms, no tests or examinations are permitted in the final week of classes other than in the official examination period, and in accordance with the final examination schedule created by the Examinations Office. Any exceptions to the rule that no tests or examinations shall take place after the final week of classes must be approved in advance by the appropriate Faculty Council. Other forms of assessment such as presentations, term papers, essays, projects, or other types of assignments do not fall into the category of tests or examinations and therefore need not follow this rule.

13. The final examination schedule shall be determined by the Examinations Office. No change in the final examination schedule shall be made by an instructor without explicit approval of the Examinations Office.

II. Deferred, Replacement and Supplemental Examinations – Regulations

1. Deferred Examinations

a) A student who did not write a final examination and has been granted a "DEF" notation is permitted to write a deferred examination.

b) A deferred examination counts for the same weight in the course evaluation scheme and covers the same course material as the original examination.

c) When a student receiving the privilege of writing a deferred examination does not write the examination during the specified period, the privilege will be withdrawn and a final grade in the course will be recorded by the Office of the Registrar according to the grade achieved by the student before the "DEF" notation was granted.

d) An examination cannot normally be deferred a second time. A student who is prevented from writing the deferred exam due to extraordinary circumstances may apply to the University Examinations Committee for a retroactive "DISC" in the course.

e) When a deferred examination has been written and evaluated, the grade is added to the student's marks for other course work. The resulting final grade will replace the "DEF" notation on the student record and official transcript.

f) A student who fails a course after writing a deferred examination may have one opportunity to write a supplemental examination during the next scheduled supplemental examination period provided the original grade was not "FNS" or "NCS" and all other criteria for writing a supplemental have been met (see Section 16.3.8 Deferred "DEF," Medical "MED" Notations and Supplemental Examinations — Procedures and Regulations).

g) A student cannot write a deferred examination in a course with a grade of "R," "NR," or "NCR," or a "DISC" notation.

2. Replacement Examinations

a) A student who did not write a final examination and has been granted a "MED" notation is permitted to write a replacement examination.

b) A replacement examination counts for the same weight in the course evaluation scheme and covers the same course material as the original examination.

c) When a student does not write a replacement examination, no further examination, replacement or supplemental, will be scheduled. However, students who were prevented from writing the replacement examination due to extraordinary circumstances will be able to apply to the University Examinations Committee. If the Committee approves such a request, the student will be granted a retroactive "DISC."

d) When a replacement examination is not written, the "MED" notation (e.g. "MED/DNW") will appear permanently on the student record and official transcript.

e) When a replacement examination has been written and evaluated, the grade is added to the student's marks for other course work. The resulting final grade will replace the "MED" notation on the student record and official transcript.

f) A student who fails a course after writing a replacement examination, may have one opportunity to write a supplemental examination during the next scheduled supplemental examination period provided the original grade was not "FNS" or "NCS" and all other criteria for writing a supplemental have been met (see Section 16.3.8 Deferred "DEF," Medical "MED" Notations and Supplemental Examinations — Procedures and Regulations).

g) A student cannot write a replacement examination in a course with a grade of "R," "NR," or "NCR."

3. Supplemental Examinations

a) A student who applies for and satisfies all the requirements is permitted to write a supplemental examination.

b) Whether or not a supplemental examination is written, the original grade for the course ("F,""F/DNW") will remain permanently on the student record and official transcript.

c) The grades from both attempts (first attempt and the supplemental examination) are included in calculating grade point averages and assessments of academic standing.

d) A student who fails a supplemental examination is given a grade of "R." A student who does not write a supplemental examination is not assigned a second failing grade for the course.

e) When a student does not write a supplemental examination, no further examination, replacement or supplemental, will be scheduled. However, students who were prevented from writing the supplemental examination because of extraordinary circumstances will be able to apply to the University Examinations Committee. If the Committee approves such a request, the student will be granted a retroactive "DISC."

f) John Molson School of Business: There are no supplemental examinations available for courses offered in this School.

g) Gina Cody School of Engineering and Computer Science: Students may apply to write a supplemental examination by submitting a Student Request form if they meet the conditions listed in Supplemental Examinations under Section 71.10.3 Academic Regulations.

4. University Examinations Committee

The University Examinations Committee reviews requests for exceptions to the regulations for deferred exams, medical notations, and supplemental exams. The Committee is comprised of one faculty member from each Faculty, a student representative, the Director of Health Services or delegate, and a representative from the Office of the Registrar. The University Examinations Committee may delegate the responsibility for handling certain kinds of requests to designated individuals (e.g. examinations coordinator). Students who wish to submit a deferral or medical notation application to the Committee can do so by informing an examinations coordinator. The Committee meets on an ad hoc basis. All decisions of the University Examinations Committee are final.

III. Deferred, Replacement, Supplemental, and Alternate Examination Periods

Deferred, replacement, supplemental, and alternate examinations are written at various times throughout the year.

1. Deferred/Replacement Examinations

a) John Molson School of Business and Gina Cody School of Engineering and Computer Science: Deferred examinations for courses offered in these Faculties are written the next time the course is offered. For potential graduates in the Gina Cody School of Engineering and Computer Science, if there is no examination scheduled for the course in question in the term before graduation, a deferred examination would be made available during the final examination period of that term.

b) Faculties of Arts and Science, and Fine Arts: Deferred examinations for courses in these Faculties are written during the next regular examination period provided the course is given in the next term and that a final examination is scheduled. If the course is not offered or there is no examination scheduled for the course in question in the subsequent examination cycle, the deferred examination would be scheduled during the next replacement examination period (February/March [mid-term break], August, September/October).

2. Supplemental Examinations

a) John Molson School of Business: There are no supplemental examinations available for courses offered in this School.

b) Gina Cody School of Engineering and Computer Science: Supplemental examinations for fall courses (term ending in 2) are normally written in February/March. For winter courses (term ending in 4), supplemental examinations are normally written in August, and for summer-session courses (session ending in 1), supplemental examinations are normally written in September/October.

c) Faculties of Arts and Science, and Fine Arts: Supplemental examinations for fall/winter courses (terms ending in 2, 3, or 4) are normally written in late August. For summer-session courses (session ending in 1) supplemental examinations are usually written in September/October. Graduating students may write supplemental examinations in February/March for fall courses (term ending in 2) only.

3. Alternate Examinations

a) When an academic department requests that students from all sections of a particular course be examined at the same date and time, this is known as a "common" exam.

b) Because the scheduling of these "common" exams may conflict with the scheduling of other exams, an "alternate" exam can be made available. This "alternate" exam is a second exam covering the same material and is usually scheduled for the first Sunday immediately following the regular exam date.

c) Courses with only one section will rarely have an "alternate" available to resolve conflicts.

4. Request to Write at Another University or College

In certain documented circumstances, a student who will not be in the Montreal area during the deferred, replacement, supplemental, or alternate examination period can request to write his/her examination at another university or college. For information on writing examinations at an external institution, see Section 16.3.7 Final Examinations.

Section 16.3.8 Deferred "DEF," Medical "MED" Notations and Supplemental Examinations — Procedures and Regulations

I. Deferred "DEF" Notations

1. A student who has missed a final examination due to unforeseeable circumstances beyond his or her control can apply to have his or her original grade replaced by a temporary "DEF" notation. The original grade assigned must include a "DNW" notation.
   Note: Unforeseeable and/or extraordinary circumstances may include, but are not limited to, a serious illness or severe injury; a recent death in one's immediate family; unexpectedly assuming responsibility of an immediate family member due to serious illness; severe emotional stress; fire. Personal travel is not an acceptable reason to be granted a "DEF" notation. In the case of work commitments or religious observations, see Section 16.3.7 Final Examinations I.4 Final Examinations.
2. A "DEF" notation cannot be assigned in a course with an "R," "NR," or "NCR" grade, or a "DISC" notation.
3. Applications for a "DEF" notation can be submitted online using the online application form that is accessible from the Exams Office website. Paper-based application forms are also available at the Birks Student Service Centre and must be submitted to the Birks Student Service Centre, not to the instructor, department or faculty, by January 15 for fall courses (term ending in 2), May 10 for fall/winter and winter courses (terms ending in 3 and 4) or August 31 for summer courses (session ending in 1). All applications must be submitted along with a statement explaining the situation and the reasons for the request. Should additional information be required, a member of the Exams Office may be in contact with a student and may request a medical certificate, or if the reasons are not medical, other appropriate documents. By submitting any documents and explanations regarding the application, the student authorizes the University to verify the legitimacy of the information provided.
4. A per-course processing fee will be applied to the students' account for each "DEF" notation application. (See the Tuition and Fees website at concordia.ca/admissions/tuition-fees/how-fees-are-billed/undergraduate/fees for the current fee).
5. The Registration and Examinations Office is entitled to ask the student to provide additional information.
6. When the Registration and Examinations Office approves the awarding of the "DEF" notation, it will temporarily replace the student's original grade for the course or courses concerned. The student is then entitled to write a deferred examination. For information about deferred examinations, see Section 16.3.7 Final Examinations II Deferred, Replacement and Supplemental Examinations – Regulations.
7. When the deferred examination has been completed and evaluated, a new grade will replace the "DEF" notation.
8. When a student receiving the privilege of writing a deferred examination does not write the examination during the specified period, the privilege will be withdrawn and a final grade in the course will be recorded by the Office of the Registrar according to the grade achieved by the student before the "DEF" notation was granted.

9. **Requests for deferred examinations can be made in a maximum of three (3) exam sessions during a student's undergraduate or Independent studies at Concordia.** Requests that exceed this number will be submitted to the University Examinations Committee for consideration. Refer to numbers 3, 4, and 5 of this section for information on the application process and deadlines.

II. Medical "MED" Notations

1. A student who has missed a final examination and/or been unable to complete course assignments due to a long-term medical situation can apply to have his or her original grade replaced by a "MED" notation. The original grade must include the "DNW" notation for a missed final examination; "DNS" notation for assignments not completed; "DNW/DNS" when both elements are missing.
2. A "MED" notation cannot be assigned in a course with an "R," "NR," or "NCR" grade, or a "DISC" notation.
3. Application forms for a "MED" notation can be submitted online using the online application form that is accessible from the Exams Office website. Paper-based application forms are also available at the Birks Student Service Centre and must be submitted to the Birks Student Service Centre, not to the instructor, department, or Faculty, by January 15 for fall courses (term ending in 2), May 10 for fall/winter and winter courses (terms ending in 3 and 4) or August 31 for summer courses (session ending in 1). The application should be accompanied by a medical certificate on a physician's original letterhead indicating that a long - term medical situation prohibited the student from being able to complete the final examination on the day or days in question. If the required documentation is not available before the application deadline, the student should submit the request form and provide the supporting material as soon as possible.
4. A per-course processing fee will be applied to the student's account for each "MED" notation application. (See the Tuition and Fees website at concordia.ca/students/financial/tuition-fees.)
5. The Registration and Examinations Office is entitled to ask the student to provide additional medical information.
6. When the Registration and Examinations Office approves the acceptance of a medical certificate, the notation "MED" will replace the student's original grade for the course or courses concerned. For information about "MED" replacement examinations, see Section 16.3.7 Examinations II Deferred, Replacement and Supplemental Examinations – Regulations.
7. When the replacement examination or missing work has been completed and evaluated, a new grade will replace the "MED" notation. If the student does not write a replacement examination or complete the missing work, the "MED" notation will appear permanently on his or her student record and official transcript. "MED" notations carry no grade point value. Courses with "MED" notations are not included in assessments of academic standing.
8. The University reserves the right to refer a student to a physician appointed by the University for a recommendation when the student repeatedly submits medical certificates.

III. Supplemental Examinations — Regulations

1. This section applies to Faculties with the exception of the Gina Cody School of Engineering and Computer Science. For the Gina Cody School of Engineering and Computer Science, please refer to Supplemental Examinations under Section 71.10.3 Academic Regulations.
2. Each Faculty determines the courses it offers where a supplemental examination is available.
3. A student must be in acceptable standing in order to write a supplemental examination.
4. A student is permitted to write only one supplemental examination for a course, whether or not the course is being repeated.
5. A student who has received a passing grade for a course may not write a supplemental examination for that course.
6. A student who has received an "NR," "R," or "NCR" grade may not write a supplemental examination for that course.
7. Applications to write supplemental examinations can be submitted online using the online application form that is accessible from the Exams Office website. Paper-based application forms are also available at the Birks Student Service Centre and

must be submitted to the Birks Student Service Centre, not to the instructor, department, or Faculty, by June 15 for fall/winter courses (terms ending in 2, 3 and 4), September 16 for summer courses (session ending in 1) or February 1 for graduating students (fall-term courses [term ending in 2] only).

8. A per-course processing fee will be applied to the student's account for the supplemental examination application. (See the Tuition and Fees website at concordia.ca/admissions/tuition-fees/how-fees-are-billed/undergraduate/fees for the current fee.) The supplemental fee is refundable only if the student is denied permission to write the supplemental examination.

Section 16.3.9 Academic Re-evaluation

I. General

Concordia University affirms the right of students to request the re-evaluation of course work, which includes tests, examinations, essays and other work that has contributed to the grading of a course. It is assumed that initiating a formal re-evaluation ("a re-evaluation request") is a last recourse, taken when prior and sincere attempts to resolve problems and disagreements informally and directly have failed.

The academic re-evaluation procedures are found at: https://www.concordia.ca/content/dam/common/docs/policies/official-policies/Academic_Re-eval_Procedures.pdf

Section 16.3.10 Academic Performance

I. Performance Regulations

Students are required to maintain an acceptable standard of scholarship. Each student's academic standing is assessed at the end of every year on the basis of an assessment grade point average (AGPA) as defined below.

The specific regulations applicable to students registered in each Faculty can be found in the following sections of the Calendar:

Faculty/School	See Calendar Section	System Used
Faculty of Arts and Science	Section 31.003.1 Academic Performance Regulations	AGPA
John Molson School of Business	Section 61.22.1 Academic Performance Regulations	AGPA
Gina Cody School of Engineering and Computer Science	Section 71.10.3 Academic Regulations	AGPA
Faculty of Fine Arts	Section 81.20.4 Academic Performance Requirements	AGPA

These regulations may be modified in the case of students transferring either between Faculties or from another university.

II. Weighted Grade Point Average

All grade point averages are weighted and are calculated independently from one another. A weighted grade point average is calculated as follows:

First, for each course attempted, the number of credits for the course is multiplied by the grade points obtained for the course, as specified in Section Section 16.1.11 Grading System. Then, the sum of the grade points for all courses is divided by the total credits attempted.

Weighted Grade Point Average = S (course credits X grade points) ÷S (credits attempted)

S = sum of

Example:

Course	Grade Achieved	Credit Value		Grade Points*		Weighted Grade Points
1	D	3.00	X	1.00	=	3.00
2	C+	3.00	X	2.30	=	6.90
3	B	2.00	X	3.00	=	6.00
4	A-	6.00	X	3.70	=	22.00
5	F	3.00	X	0.00	=	0.00
	Total Credits Attempted	17.00			Total Weighted Grade Points	38.10

Weighted Grade Point Average = 38.10 ÷ 17.00 = 2.24

* As detailed in Section 16.1.11 Grading System

a) Assessment Grade Point Average (AGPA)

An assessment grade point average (AGPA) for each student is calculated at the end of each academic year (including the summer session, fall and winter terms), provided that the student has attempted a minimum of 12 credits. If the student has attempted fewer than 12 credits, these credits will be included in the assessment for the following academic year.

When a student transfers from one degree or certificate to another degree or certificate, the AGPA is calculated only for courses recorded in the current degree or certificate. (This calculation normally excludes the grades for any transfer credits awarded.) Special regulations for graduating students may be specified in each Faculty's regulations.

Grades for supplemental and replacement examinations and for late completion of courses with "INC" or "MED" notations are included in the assessment period in which they are recorded.

In the case of courses taken more than once in the same assessment period, only the grade corresponding to the latest attempt of the course will be used in the calculation of the AGPA.

In the Gina Cody School of Engineering and Computer Science, prerequisite courses required for admission to a program will not be counted unless they are specifically listed on the student's acceptance letter.

Students pursuing a microprogram are excluded from the AGPA assessment.

A grade obtained as the result of a penalty for academic misconduct will remain in the calculation of the AGPA whether or not the course has been repeated.

b) Cumulative Grade Point Average

The cumulative grade point average (CGPA) is the running total of the GPA since a student was admitted to the most recent degree (or certificate) program. It includes the same courses as were included in the calculation of the AGPA, and the courses for which "transfer credit" with an accompanying grade has been awarded in the most recent degree or certificate. In the case of

repeated courses, only the grade corresponding to the latest attempt of the course will be used in the calculation of the CGPA.

A grade obtained as the result of a penalty for academic misconduct will remain in the calculation of the CGPA whether or not the course has been repeated.

The CGPA is used as the basis to determine eligibility for high academic achievement (Section 16.1.9 High Academic Achievement).

c) Final Graduation Grade Point Average (FGGPA)

The final graduation grade point average (FGGPA) is a CGPA of all courses applicable to the degree program being completed. In the case of transfer students, all courses taken at Concordia and transferred with the corresponding grades into the program being completed will be included in calculating the FGGPA. This FGGPA is calculated and recorded on the student record and official transcript only when a student graduates.

In the case of repeated courses, only the grade corresponding to the latest attempt of the course will be used in the calculation of the FGGPA.

A grade obtained as the result of a penalty for academic misconduct will remain in the calculation of the FGGPA whether or not the course has been repeated.

The FGGPA is used as the basis to determine eligibility for high academic achievement (see Section 16.1.9 High Academic Achievement).

d) Term Grade Point Average (TGPA)

The term grade point average (TGPA) is the grade point average of all courses taken during the term to which it refers and appears on the student record and official transcript. It is for reference only and is used primarily for advising. The TGPA is dynamic, meaning that grade changes and repeated courses will modify historical TGPAs. The TGPA is not used in the calculation of any other GPA.

III. Qualifying Programs and Visiting Programs

Students registered in Qualifying programs or as Visiting students are subject to the regulations of the Faculty in which they are registered.

IV. Independent Students

1. Independent students are subject to the same grade point average requirements as students registered in programs offered by the Faculty of Arts and Science. (See Section 31.003.1 Academic Performance Regulations.)
2. Independent students who are classified as failed may not reregister without permission of the University Registrar.

V. Regulations for Failed Students and Students in Conditional Standing

1. Failed students or students in conditional standing are not eligible to write supplemental examinations.
2. Undergraduate students who are classified as failed may not reregister as Independent students.

VI. Recording of Failed and Conditional Standing

Assessment of academic standing is noted on the student record and official transcript.

Section 17 University Secretariat

Section 17.10 Academic Integrity and the Academic Code of Conduct

Section 17.20 Rights and Responsibilities

Section 17.30 Ombuds Office

Section 17.10 Academic Integrity and the Academic Code of Conduct

Academic Integrity and the Academic Code of Conduct

Section 17.10.1 Academic Integrity

Academic integrity is key to academic success at Concordia University. More specifically, the integrity of University academic life and of the degrees, diplomas and certificates the University confers is dependent upon the honesty and soundness of the instructor-student learning relationship and, in particular, that of the evaluation process. Therefore, for their part, all students are expected to be honest in all of their academic endeavours and relationships with the University.

Section 17.10.2 Understanding and Upholding Academic Integrity

Concordia University has several resources available to students to better understand and uphold academic integrity.

Academic Integrity

Concordia's web page on academic integrity includes links to understanding plagiarism, academic offences, understanding unauthorized collaboration and the disciplinary process:

concordia.ca/conduct/academic-integrity

Behavioural Integrity

Please see the following link for information about Concordia's resources for behavioural integrity:

concordia.ca/conduct/behavioural-integrity

Sexual Violence

Please see the following link for information about Concordia's resources for sexual violence:

concordia.ca/conduct/sexual-violence

Academic Code of Conduct

The definitions, procedures, and sanctions related to charges of academic offences are outlined in the Academic Code of Conduct, available on the Academic Integrity website:

concordia.ca/conduct/academic-integrity

Section 17.20 Rights and Responsibilities

Rights and Responsibilities

Code of Rights and Responsibilities

The Code of Rights and Responsibilities [concordia.ca/about/policies/spotlight/code-of-rights-and-responsibilities-bd-3] sets the standards of conduct for all members of the Concordia community — staff, faculty and students, and applies to incidents that occur on campus, during an on- or off-campus university-sponsored activity or event, or during an activity or event that has a substantive link to the University. The Code also promotes equity, respect and diversity and seeks to address behaviours such as discrimination, violence, and harassment. The Code of Rights and Responsibilities states:

1. The Code of Rights and Responsibilities (the "Code") has, as its grounding principles, the values of civility, equity, respect, non-discrimination and an appreciation of diversity as manifested within the University and within society-at-large.

Rights Prompted and Protected by the Code

2. All Members of the University, as defined in Section III of the Code, may reasonably expect to pursue their work, studies and other activities related to University life in a safe and civil environment. As such, neither the University nor any of its Members shall condone any conduct which adversely affects the University or any of its Members.

3. All Members have the freedom of conscience and religion; freedom of thought, belief, opinion and expression; freedom of peaceful assembly and freedom of association, the whole subject to the limits recognized by law and University policies and procedures:

concordia.ca/about/policies

Access the entire Code of Rights and Responsibilities at the following link for more information on the mandate and functions of the Office of Rights and Responsibilities:

concordia.ca/about/policies/spotlight/code-of-rights-and-responsibilities-bd-3

To consult with an advisor, visit the Office of Rights and Responsibilities web page at:

concordia.ca/conduct/behavioural-integrity/rights-responsibilities

Section 17.30 Ombuds Office

Ombuds Office

The Ombuds Office's Role

The Ombuds Office's role is to assist in the informal resolution of concerns and complaints related to the application of university policies, rules and procedures. Also, the Office is responsible for promoting fairness in the University.

To access the Terms of Reference for more information on the mandate of the Ombuds office, or to consult with Concordia's Ombudsperson, see:

concordia.ca/offices/ombuds

Section 18 Services for Students

Services for Students

International Students Office (ISO)

concordia.ca/students/international

Recreation, Sports and Fitness

concordia.ca/campus-life/recreation

stingers.ca

Scholarships and Funding

concordia.ca/students/financial/scholarships-funding

concordia.ca/students/financial/loans

Student Housing

concordia.ca/students/housing

Student Services and Resources

concordia.ca/students/services

Section 19 International Students

International Students

Overview

In this section, International students will find relevant information on admission requirements, immigration regulations, tuition fees, scholarships and bursaries, the health insurance plan, as well as regulations on working in Canada. The International Students Office (ISO), Student and Enrolment Services, has developed support services to promote the adjustment of International students to life and study in Canada.

It is essential that International students submit their immigration documents by uploading them directly to the Student Hub at the following link:

concordia.ca/students/international/immigration/submitting-or-updating-your-immigration-documents

If unable to upload, these documents can be submitted either to the International Students Office or the Birks Student Service Centre.

Immigration Documentation Required

International students who will be studying in a program for six months or more are required to provide a copy of their immigration documents (usually a CAQ and Study Permit) to the University via the Student Hub when they first register at Concordia and thereafter every time they renew their immigration documents. See the following link:

concordia.ca/students/international/immigration/submitting-or-updating-your-immigration-documents

International students who will be studying for six months or less are required to submit copies of their passport pages showing the passport number, the dates of issuance and expiry, name and date of birth, and the stamp made by Canadian authorities on their most recent entry into Canada. Note that some students may still require a CAQ and/or Study Permit to be eligible for an international student fee exemption. See the following link:

concordia.ca/students/financial/tuition-fees/rates/international-fee-exemptions

These directives are in accordance with the funding regulations of the Ministère de l'Enseignement supérieur (MES) which requires that all International students registered at a university in Quebec have in their permanent file a copy of specific immigration documents proof of valid health insurance and, for persons studying six months or less, a copy of the appropriate passport pages. See the following link:

concordia.ca/students/international/immigration/submitting-or-updating-your-immigration-documents

International students are required to provide the appropriate documentation by the first day of their first term at Concordia and thereafter every time they renew their immigration documents. See the following link:

concordia.ca/students/international/immigration/submitting-or-updating-your-immigration-documents

Failure to comply with this regulation could result in the cancellation of the student's registration.

Tuition and Other Fees for International Students

The University reserves the right to modify the published scale of tuition and other student fees without prior notice.

Please refer to the Tuition and Fees website at concordia.ca/students/financial/tuition-fees for information concerning the payment of tuition and fees.

Exemptions from Differential Fees

Certain International students may be eligible to pay the same fees as **Quebec residents** or **Canadian citizens**. Students who qualify for an exemption from the differential fees for International students, pay tuition and other fees at the same rate as the Canadian, Quebec resident student (including tuition and compulsory fees for 30 credits, and the International students health insurance fee).

Information can be found at: concordia.ca/students/financial/tuition-fees/rates/international-fee-exemptions

International Student Health and Accident Insurance

Immigration Quebec services and the Ministère de l'Enseignement supérieur (MES) require that all International students be covered by a health insurance plan while studying and living in Quebec. To this end, Concordia University has negotiated a **compulsory** health and accident insurance plan for its International students.

Check the International Students Office website at concordia.ca/offices/iso for more information.

Health insurance fees are charged automatically when International students register for courses.

Coverage is from September 1 until August 31 of the following year. Students who register in January pay a pro-rated premium for the eight-month period from January 1 until August 31 of the same year.

Only certain categories of International students are permitted to opt out of the Concordia Health Insurance Plan for International Students. Please note that Concordia University does not accept any other health insurance plan that the student might be carrying or maintaining while in Canada. For complete details about the categories of students who may be exempted from the Concordia Health Insurance Plan for International Students, visit: concordia.ca/students/international/health-insurance/exemptions.

Proof of above-mentioned insurance is required in order to process an exemption. It must be presented in English or French indicating the period and amount of coverage available in Canada. This information is required by the Ministère de l'Enseignement supérieur (MES) and must be in the Concordia student's file for audits and reports. Applications for exemptions are processed in person at the International Students Office (ISO). See concordia.ca/students/international/health-insurance/exemptions for more information. Applications must be processed at the beginning of every benefit year regardless of the expiration of the coverage. Students who do not apply for an exemption by the payment deadline will be charged for the Concordia Health Insurance Plan for International Students.

Adjustments or cancellations will be based on the date the ISO receives a copy of the above-mentioned supporting documentation. Insurance plans are based on a monthly rate from the first day of the month to the last day of the month. As such, and in order for the student to obtain the fullest refund, the request for adjustments or cancellations should be made prior to the first day of the month.

Retroactive adjustments will only be considered and provided where supporting documents can prove that health insurance coverage has been maintained continuously from the beginning of the required insurance period. Where the supporting documents do not indicate health insurance coverage, the monthly fee charged will not be refunded. If a student has filed an insurance claim, the student can only receive a retroactive refund for the period (months) following the claim. Refunds are provided in the form of credit to the student's university account.

Working as a Component of Degree Requirements

International students who are enrolled in internships, practicums, experiential learning, or courses that require a work component in order to complete the course or degree requirements may require a Co-op Work Permit. For further information, refer to concordia.ca/students/international/living-working/working-in-canada, or contact the International Students Office.

Section 20 Student Associations and Alumni Relations

Student Associations and Alumni Relations

Student Groups

concordia.ca/students/life/all-groups

Alumni and Friends

concordia.ca/alumni-friends

Section 21 Centre for Continuing Education

Website

concordia.ca/cce

Centre for Continuing Education

As part of its commitment to the lifelong pursuit of education, Concordia University, through its Centre for Continuing Education, offers a variety of non-credit educational programs. These are designed to meet the practical needs and interests of people in the workplace, helping them to refine and improve their professional and personal skills.

Students may choose individual courses or a program series to earn diplomas or certificates in a particular area of specialization.

Acceptance to any of the Centre for Continuing Education's programs does not guarantee admission to, or credit towards, any of the University's degree programs.

For the most up-to-date Continuing Education programs, courses, workshops, and professional and customized development offerings, please go to concordia.ca/cce.

Section 23 Teacher Training and Teacher Certification

Teacher Training and Teacher Certification

Section 23.1 Introduction

Introduction

The Ministère de l'Éducation du Québec (MEQ) certifies teachers for the primary and secondary schools of the province, following completion of an approved 120-credit program. This certification is also subject to legislative provisions on judicial antecedents and satisfying the requirements of a MEQ-approved test of English language proficiency. The MEQ recognizes Concordia University as a centre for teacher training. Concordia offers three MEQ-approved programs that grant teaching licences (brevets d'enseignement). Because Concordia University has chosen not to organize its teacher training programs into a single Faculty, the programs are listed under different Faculties and departments. Students interested in pursuing teacher training and certification are asked to consult with the appropriate Faculties and academic departments for further information. These are:

Faculty of Arts and Science
Department of Education (See Section 31.090 Department of Education and Section 31.090.1 Teaching English as a Second Language).

- Bachelor of Arts (BA), Specialization in Early Childhood and Elementary Education (120 credits)
- Bachelor of Education (BEd), Specialization in Teaching English as a Second Language (120 credits)

Faculty of Fine Arts
Department of Art Education (See Section 81.40 Department of Art Education).

- Bachelor of Fine Arts (BFA), Specialization in Art Education – Visual Arts (120 credits)

Concordia offers other certificate and diploma programs. Please refer to the Undergraduate Calendar for certificate programs, and the School of Graduate Studies Calendar for diploma and graduate certificate programs.

Section 23.2 Eligibility/Admission Requirements

Eligibility/Admission Requirements

It is important to review the admissions regulations and residency requirements. See Section 13.3 Admission Requirements and Section 16.2.2 Residence Requirements for eligibility in the MEQ-approved programs.

Section 23.3 Application for Admission and Certification

Admission

Applicants apply online for admission. In addition, a separate department application form is required for the BA Specialization in Early Childhood and Elementary Education and for the BEd Specialization in Teaching English as a Second Language. These application forms should be downloaded from the Department of Education's website: concordia.ca/artsci/education.

Applicants for Art Education should consult Section 81.40 Department of Art Education and Section 81.40.1 Admission to the Specialization, Major, and Minor in Art Education – Visual Arts.

Certification

Prior to graduation, forms to apply for teacher certification are available from the Office of the Registrar.

Section 23.4 Citizenship Requirements

Citizenship Requirements

Permanent teacher certification in Quebec is only available for Canadian citizens and students who have landed immigrant status or who hold an appropriate work permit in accordance with Immigration Law of Quebec (L.R.Q., I-0.2).

Section 23.5 Assistance

Assistance

Graduates of Concordia University with certification problems should contact:

education.gouv.qc.ca/index.php?id=6151&L=5

Section 24 Institute for Co-operative Education

Institute for Co-operative Education

Institute for Co-operative Education Courses

Institute for Co-operative Education

Work-Integrated Learning Programs

The Co-operative Education and Work-Integrated Learning Philosophy

Advantages of Co-operative Education and Work-Integrated Learning

Admission to the Institute for Co-operative Education

Institute for Co-operative Education Fee

Institute for Co-operative Education Performance Requirements

Work Term

Undergraduate Co-op Programs

C.Edge (Career Edge) Option

Accelerated Career Experience Option

Work-Integrated Learning Programs

The University, through the Institute for Co-operative Education, offers a variety of structured co-operative education and work-integrated learning offerings in a number of departments across all faculties.

The Co-operative Education and Work-Integrated Learning Philosophy

Co-operative education and work-integrated learning are structured educational strategies that integrate academic studies with learning through program-relevant work experiences. They provide experiential learning experiences integrating theory and practice, giving students the opportunity to transfer knowledge and skills between work and classroom settings.

Advantages of Co-operative Education and Work-Integrated Learning

Integrating theory and practice in a structured and purposeful manner allows students to come to terms with the realities of professional practice in a way that allows for the development of self-confidence, self-reliance, and self-motivation. Co-operative education and work-integrated learning provide opportunities to gain practical experience in a chosen field. With the help of the Institute for Co-operative Education, students enhance their technical knowledge, soft skills, and interpersonal skills through practical experience and through participation in professional development sessions, workshops, and other activities.

The collaboration between employers, staff, and faculty is mutually beneficial, providing an opportunity for employers to contribute to, and influence, the educational process, and for the faculty to become aware of the latest developments in industry. In some cases, joint industry-university research projects result.

Admission to the Institute for Co-operative Education

Admission to the Institute for Co-operative Education is selective, primarily based on academic performance, and may include prerequisites as well as other factors such as extracurricular activities, communication skills, motivation, personality, and drive. Applicants must be legally eligible to work in Canada. International students are required to obtain a Canadian Work Permit.

Students applying to join the Institute for Co-operative Education should complete the appropriate section on the University Admission form. Please refer to concordia.ca/academics/co-op for program, application, and admission details.

The final decision to accept or reject an applicant rests with the Institute for Co-operative Education.

Institute for Co-operative Education Fee

Students should note that a fee exists to cover in part the administrative costs particular to membership at the Institute for Co-operative Education. For specific deadlines, visit concordia.ca/students/financial/tuition-fees/deadlines.

Institute for Co-operative Education Performance Requirements

Students who undertake their studies as members of the Institute for Co-operative Education, enrol as regular undergraduates and are subject to their program's academic regulations. Higher performance standards are often required to continue as members of the Institute for Co-operative Education.

Students registered in a co-op program are required to maintain a minimum cumulative GPA of 2.50. A faculty or department may require a higher GPA and may have additional requirements to continue in the co-op program. Please see the Institute for Co-operative Education website at concordia.ca/academics/co-op/internships/undergraduate.html#policies for all additional information pertaining to admission policies.

Students are advised to consult with the Institute Academic Director of their program for the specific requirements of their program or if they wish to apply to an Institute for Co-operative Education offering after their initial admission to Concordia.

The work term evaluation consists of two components:

1. student work term performance as evaluated by the Manager of the Institute for Co-operative Education or delegate, with input from the employer;
2. the work term report or presentation evaluated by faculty, the Manager of the Institute for Co-operative Education or delegate.

Each component is evaluated separately. Students must successfully complete all required components to pass the work term which is marked on a pass/fail basis.

A failing grade for the work term or failure to meet the Institute academic requirements will normally result in the dismissal of the student from the Institute for Co-operative Education.

A student may be exempted from any work term requirements if he or she submits medical and/or other evidence to support such exemption to the Manager of the Institute for Co-operative Education.

Co-op Work Terms

Undergraduate co-op students undertake three internships, also known as work terms. The work term is an essential part of the students' learning experience, allowing them to apply the knowledge from the classroom and to bring the lessons from the workplace back to their fellow students. Employers are required to remunerate students for their labour.

Program coordinators assess and support the work-term experience for both the students and employers, evaluate the relevance of the learning opportunities, assess the compatibility of student and employer and, if necessary, take corrective action. The student application and employer recruitment processes are managed by the Institute for Co-operative Education. Students undertake work terms across Canada and flexibility and openness to travel is highly advantageous. Students may also take on a work term internationally.

Students doing a work term through the Institute are enrolled in complementary credit and work-term courses for the semester in which their work term takes place. The work-term courses are designated as CWT 100, 200, 300, and 400 (Co-op Work Term I, II, III, and IV, respectively). A letter is added to the course code to identify the student's area of study. These work-term courses carry no degree-credit value and are used to indicate that the student is on a work term. Students are considered to have full-time status at the University during their work terms.

Students must begin and end their degree with an academic study term. It should be noted that the University does not guarantee every student an internship.

Undergraduate Co-op Programs

Please see the following Faculty sections of the Undergraduate Calendar for a list of coop programs by Faculty, and Facultylevel requirements:

- Section 31.515 Co-operative Education in the Faculty of Arts and Science
- Section 61.25 Co-operative Education in the John Molson School of Business
- Section 71.10.8 Co-operative Education in the Gina Cody School of Engineering and Computer Science

For a complete list of current undergraduate coop programs, sequence of work and study terms, and contact information, please refer to the website: concordia.ca/co-op

C.Edge (Career Edge) Option

Notes

Following the philosophy of co-operative education, the University, through the Institute for Co-operative Education, offers the C.Edge option to all undergraduate students in programs that offer it.

The work term for the C.Edge option runs for a minimum of 12 consecutive weeks. Work during this period is full-time, and students are paid by the employer at competitive rates. Following completion of the work term, students may be required to return to the University to complete the remaining courses for their undergraduate degree. It is not possible to guarantee that all students wishing to participate in a C.Edge option work term will be able to do so.

Admission Requirements

Students in all programs who have a minimum cumulative GPA of 2.50 are eligible to apply for the C.Edge option if their program offers it. Some departments may have a different requirement to be accepted into and remain in the option. Please check with the Institute Academic Director of the respective program for more details.

Work Terms

Students in C.Edge may complete one or two work terms. For each work term, students are registered in their work term courses. As with co-op, students are considered full-time students at the University during their work terms. For each work term, students must complete a work term report reviewed and graded by their Academic Director. Students must also complete a self-assessment and self-evaluation and ensure that their employer or supervisor completes a student assessment and evaluation. Work term courses are assigned no degree credits.

The evaluation of the work term consists of two components:

1. the student's work term performance as evaluated by their supervisor, their Program Coordinator or delegate, and overseen by the Manager of the Institute for Co-operative Education;
2. the work term report or presentation, as evaluated by the Academic Director and the Manager of the Institute for Co-operative Education or delegate.

Each component is evaluated separately. Students must successfully complete all required components to pass the work term which is marked on a pass/fail basis. A failing grade for the work term or failure to meet the academic requirements will normally result in the dismissal of the student from the Institute for Co-operative Education.

Reflective Learning Courses

All C.Edge students are enrolled in Reflective Learning Courses concurrently with their work term. They are each 3-credit extension courses connected to the work term and are above and beyond the credit requirements of the students' academic program. The credits earned from the Reflective Learning courses are not transferable, nor are they included in the assessment of

full- or part-time status. They are graded on a pass/fail basis.

Fees

Students should note that a fee exists to cover in part the administrative costs particular to membership at the Institute for Co-operative Education. For specific deadlines, visit concordia.ca/students/financial/tuition-fees/deadlines.

Accelerated Career Experience Option

Notes

Following the philosophy of co-operative education, the University, through the Institute for Co-operative Education, offers Accelerated Career Experience to all undergraduate students in Faculties and programs that offer it.
The work term for the Accelerated Career Experience option runs for a minimum of 12 and a maximum of 16 consecutive months. Work during this period is full-time, and students are paid by the employer at competitive rates. Following completion of the 12- to 16-month work term, students return to the University to complete the remaining courses for their undergraduate degree. It is not possible to guarantee that all students wishing to participate in an Accelerated Career Experience work term will be able to do so.

Admission Requirements

Students in all programs who have a minimum cumulative GPA of 2.70 are eligible to apply for the Accelerated Career Experience option if their program offers it. Specific eligibility criteria and admission information can be found on the website concordia.ca/academics/co-op, and Faculty-level requirements in the Faculty sections of the Calendar:

- Section 71.10.8 Co-operative Education in the Gina Cody School of Engineering and Computer Science
- Section 61.25 Co-operative Education in the John Molson School of Business

Some employers may have additional requirements to apply to a position.

Work Terms

Students in the Accelerated Career Experience option may complete one 12- or 16-month work term. Students are registered in their work experience courses (ACCE 100, 200, 300, 400) and are considered to be full-time students during enrolment in these courses. For the 12- or 16-month work term, all students must complete a work term report reviewed and graded by their Academic Director. Students must also complete a self-assessment and self-evaluation and ensure that their employer or supervisor completes a student assessment and evaluation. Work term courses are assigned no degree credits.

The work-term evaluation consists of three components:

1. the student's work term performance as evaluated by their supervisor, their Program Coordinator or delegate, and overseen by the Manager of the Institute for Co-operative Education;
2. the work term report or presentation, as evaluated by the Academic Director and the Manager of the Institute for Co-operative Education or delegate;
3. the work term presentation component as evaluated by their employer or supervisor and a group representing the management or executive of the hosting organization or delegates.

Some employers may have additional requirements to evaluate the student on a work term.

Each component is evaluated separately. Students must successfully complete all required components to pass the work term which is marked on a pass/fail basis. A failing grade for the work term or failure to meet the academic requirements will normally result in the dismissal of the student from the Institute for Co-operative Education.

Fees

Students should note that a fee exists to cover in part the administrative costs particular to membership at the Institute for Co-operative Education. For specific deadlines, visit concordia.ca/students/financial/tuition-fees/deadlines.

Institute for Co-operative Education Courses

Quick Links

Career Fundamentals Courses

Work-Integrated Learning and Reflective Learning Courses

Career Fundamentals Courses

CFUN 101 Institute for Co-operative Education Career Fundamentals (0 credits)

Prerequisite/Corequisite:

Enrolment in a program at the Institute for Co-operative Education is required.

Description:

This course comprises a series of asynchronous modules and synchronous workshops, each of which focuses on a different element of the internship/job application process using strengths-based strategies to set students up for internship success. Possible topics include job search, resumé, cover letter, and interview skills in addition totime and stress management, mental health literacy, learning agility, extracurricular activities, and projects. Additionally, the course includes training on how to navigate Compass (the online platform that helps students manage all activities related to the Institute for Co-operative Education).By the end of this course, students will be able to prepare the elements of an internship job application and apply strengths-based strategies to their internship job search.

CFUN 102 Vous êtes engagé! Institute for Co-operative Education Interview Preparation in French (0 credits)

Prerequisite/Corequisite:

Enrolment in a program at the Institute for Co-operative Education is required. Students must complete an assessment to determine their French proficiency prior to undertaking the course.

Description:

This course comprises a series of asynchronous modules and synchronous workshops, each of which focuses on a different component of the interview process in a French-speaking context. Possible topics include etiquette and introductions, scheduling interviews, phone interviews, interview questions, and ending an interview. By the end of this course, students will be able to navigate the interview process in a French context and improve their conversational skills to feel more confident in their ability to conduct an interview in French.

Work-Integrated Learning and Reflective Learning Courses

Course Notes

A core feature of co-operative education is integration: there must be integration between work and classroom learning. Numerous ways exist to foster such integration. Reflective discussion is one technique that can be used in integration sessions to encourage students to analyze, compare, and contrast their work-term experiences. Other reflective learning techniques include assignments, seminar presentations, and the keeping of logs, diaries, observation reports, and portfolios.

The CWT 101, 201, 301, and 401 Reflective Learning courses are 3-credit extension courses to the work terms. These courses are marked on a pass/fail basis. They are above and beyond the credit requirements of the student's program and are not transferable nor are they included in the full- or part-time assessment status.

CWT 101 Reflective Learning I (3 credits)

Description:

Students are enrolled in this course concurrently with their first work term. This is a forum for critically examining the workplace, for reflecting on personal work-term experiences, for building and testing hypotheses, for disciplined inquiry, and for setting goals. Activities provide opportunities for students to connect their work-term experiences to their related courses.

CWT 201 Reflective Learning II (3 credits)

Description:

Students are enrolled in this course concurrently with their second work term. Using one or more of the techniques listed in CWT 101, this course expands on students' second workterm experiences in their related field of study to further develop their knowledge and work-related skills.

CWT 301 Reflective Learning III (3 credits)

Description:

Students are enrolled in this course concurrently with their third work term. Using one or more of the techniques listed in CWT 101, this course expands on students' third workterm experiences in their related field of study to further develop their knowledge and work-related skills.

CWT 401 Reflective Learning IV (3 credits)

Description:

Students are enrolled in this course concurrently with their fourth work term. Using one or more of the techniques listed in CWT 101, this course expands on students' fourth workterm experiences in their related field of study to further develop their knowledge and workrelated skills.

Section 25 Convocation Awards

Convocation Awards

Convocation awards are presented each spring to graduates from both the fall and spring cohorts of each academic year. Winners of the awards are selected on a merit basis.

Convocation awards details and information are available on the convocation website at concordia.ca/graduation-convocation/about/awards-medals-nominations.

Section 26 University Skills

University Skills

- Complementary University Credits (CUC)
- Humanities+ Program
- Career Readiness and Professional Skills Courses
- Kaié:ri Nikawerá:ke Indigenous Bridging Seminar Courses

Complementary University Credits (CUC)

Complementary University Credits are additional to the Faculty degree and certificate requirements stipulated in the University Undergraduate Calendar. These credits are not assessed in any GPA calculation and are not transferable to any degree or Faculty certificate.

Complementary University Credit (CUC) Courses

UNSS 200 Self-Management Strategies (1.5 credits)

Prerequisite/Corequisite:

Faculty recommendation is required.

Description:

Based on the principle of self-efficacy, this course is an introduction to self-management and self-assessment, exploring personal goal setting, time and stress management, mindfulness and motivation. Students gain an in-depth perspective of their individual strengths, develop strategies to deal with personal challenges, and enhance their motivation through exploring career directions. Each student works on an individual project designed to foster self-monitoring and self-reflection within the context of working towards success. A final portfolio compiled by each participant documents individual progress through the term.

Notes:

- This course does not count for credit in any University program.

UNSS 201 Successful Study Strategies (1.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: UNSS 200. Faculty recommendation is required.

Description:

This course focuses on enhancing each student's potential for academic success through developing strategies for active learning. Students explore techniques to enhance their understanding and retention of course material, including the principles of effective note-taking, active reading, preparing for exams and improving memory and concentration. Students are encouraged to apply these strategies in their other courses; for this reason, it is strongly recommended that this course be taken in conjunction with at least one other course. A final portfolio compiled by each participant demonstrates study strategies applied to discipline-specific coursework and reflects on the student's progress through the term. Successful completion of this pass/fail course depends on excellent attendance and timely completion of all assigned work.

Notes:

- This course does not count for credit in any University program.

Humanities+ Program

Note

Admission to this program is suspended.

Program Requirements

The Humanities+ program prepares students for life after graduation with a unique skills development and work-integrated learning (WIL) experience.

Please see concordia.ca/provost/initiatives/fusion/humanities/students for more information.

Humanities+ (0 credits)

- SKIL 400 Career Readiness (0.00)
- SKIL 401 Digital Skills (0.00)
- SKIL 402 Professional Skills (0.00)
- SKIL 404 Work-Integrated Experience (0.00)

Note: Students who have received credit for ARTH 403, FTRA 422, FTRA 423, or HIST 486 may apply these courses to satisfy the SKIL 404 requirement of the Humanities+ program.

Career Readiness and Professional Skills Courses

SKIL 400 Career Readiness (0 credits)

Description:

This course comprises a series of workshops and reflective activities that support students in their career exploration and in preparing for a career post-graduation. Possible topics include resumé and cover-letter writing, interviewing, networking, goal setting and lifelong learning. Students are also supported to identify and articulate their skills, strengths, values and career aspirations. By the end of this course, students will be able to apply newly acquired skills and awareness to seek and secure meaningful work and professional opportunities.

Notes:

- This course is marked on a pass/fail basis.
- This course is equivalent to SKIL 403. Students who have completed SKIL 403 may not enrol in this course.

SKIL 401 Digital Skills (0 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SKIL 400.

Description:

This course comprises a series of workshops where students receive digital skills training relevant to the labour market and their professional interests and aspirations. Students are also supported in developing their self-directed learning skills by identifying and engaging in digital skill development activities relevant to their needs. Possible topics include Excel, digital design, coding and artificial intelligence (AI). By the end of this course, students will be able to apply newly acquired digital skills to specific professional activities.

Notes:

- This course is marked on a pass/fail basis.

SKIL 402 Professional Skills (0 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SKIL 400.

Description:

This self-directed course supports students to select a series of skill development activities relevant to the labour market and their career interests and aspirations. Possible topics might include workplace communication, project management, design thinking, and finances. By the end of this course, students will have acquired new skills that they can apply to specific professional activities.

Notes:

- This course is marked on a pass/fail basis.

SKIL 404 Work-Integrated Experience (0 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SKIL 400.

Description:

This course involves reflective and skill development activities that are combined with students' engagement in a work-integrated learning (WIL) activity (e.g. an internship). Students are expected to take the lead in finding their WIL activity, with support and guidance from the placement coordinator. The placement coordinator continues to support the student until the conclusion of the WIL activity. WIL activities may be drawn from all areas of possible employment, including the private sector, government and community service organizations.

Notes:

- This course is marked on a pass/fail basis.
- Students who have received credit for ARTH 403, FTRA 422, FTRA 423, or HIST 486 may apply these courses to satisfy the SKIL 404 requirement of the Humanities+ program.

Kaié:ri Nikawerá:ke Indigenous Bridging Seminar Courses

Notes

The Kaié:ri Nikawerá:ke Indigenous Bridging Program is offered to eligible Indigenous students, specifically First Nations, Métis and Inuit peoples whose communities are located in Canada, who do not meet the normal admission requirements. Students will acquire the prerequisite courses and skills in order to access and transition into the undergraduate program of their choice at Concordia University. The required seminar courses are listed below.

For the admissions criteria, please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program under Section 14 Alternative Entry. Please refer to the Kaié:ri Nikawerá:ke Indigenous Bridging Program for more information:

concordia.ca/students/success/learning-support/indigenous-bridging-program

KNBP 200 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar I (1.5 credits)

Prerequisite/Corequisite:

Enrolment in the Kaié:ri Nikawerá:ke Indigenous Bridging Program is required.

Description:

This seminar course provides a safe space and fosters a sense of community amongst students in the Kaié:ri Nikawerá:ke Indigenous Bridging Program. Students' needs are addressed by exploring themes that focus on their academic, cultural, and holistic well-being, such as school-life balance, meditation, and financial literacy. Students gain access to resources and develop the skills for long-term success during their time at Concordia University. The seminar offers experiential learning opportunities through various centres, including the Otsenhákta Student Centre. An Indigenous facilitator leads the seminar and mentors students.

Component(s):

"Seminar"

Notes:

- This course is assessed on a pass/fail basis.
- This course does not count for credit in any University program.

KNBP 201 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar II (1.5 credits)

Prerequisite/Corequisite:

Enrolment in the Kaié:ri Nikawerá:ke Indigenous Bridging Program is required. The following course must be completed previously: KNBP 200. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This seminar course continues to build community amongst students in the bridging program. The seminar addresses students' needs by further exploring themes introduced in KNBP 200 focused on students' academic, cultural, and holistic well-being, such as self-care strategies, growth mindset, and connections to community. The seminar provides both in-class and experiential learning opportunities for students to continue developing skills for long-term success. An Indigenous facilitator leads the seminar and mentors students.

Component(s):

"Seminar"

Notes:

- This course is assessed on a pass/fail basis.
- This course does not count for credit in any University program.

Section 27 Academic Advising

Academic Advising

Concordia Academic Advising Mission

Academic advising at Concordia University is a collaborative effort between students, staff and faculty that empowers students to meet their academic goals and achieve their vision of success.

Concordia Academic Advising Outcomes

Academic Advisor Outcomes

- Uphold ethical, knowledgeable and informed advising practices that communicate care and respect
- Provide accurate, accessible and updated information about educational opportunities, academic requirements, policies and procedures
- Collaborate with students on the development and implementation of academic plans and educational experiences congruent with the student's interests and strengths, so that students can make informed decisions
- Foster relationships with, and refer students to, campus programs, offices, and personnel that facilitate educational and personal growth
- Support students in their pursuit of meaningful university experiences and progress toward achievement of individual academic goals
- Use current available technology to support and enhance their work with students
- Participate in ongoing professional development

Student Learning Outcomes

As a result of actively participating in academic advising, students can expect to:

- Assume responsibility for informing themselves of, and meeting, their academic program requirements
- Understand the university's academic policies and procedures in the Undergraduate Calendar
- Use university information, resources and services to assist them in setting academic goals
- Identify, articulate and implement their academic goals

Section 31 Faculty of Arts and Science

Faculty of Arts and Science

- Section 31.001 Faculty of Arts and Science
- Section 31.002 Programs and Admission Requirements
- Section 31.003 Degree Requirements
- Section 31.004 General Education
- Section 31.010 Department of Applied Human Sciences
- Section 31.030 Department of Biology
- Section 31.050 Department of Chemistry and Biochemistry
- Section 31.060 Department of Classics, Modern Languages and Linguistics
- Section 31.070 Department of Communication Studies
- Section 31.080 Department of Economics
- Section 31.090 Department of Education
- Section 31.100 Department of English
- Section 31.110 Département d'études françaises
- Section 31.120 Department of Health, Kinesiology, and Applied Physiology
- Section 31.130 Department of Geography, Planning and Environment
- Section 31.160 Department of History
- Section 31.170 Interdisciplinary Studies
- Section 31.180 Department of Journalism
- Section 31.200 Department of Mathematics and Statistics
- Section 31.220 Department of Philosophy
- Section 31.230 Department of Physics
- Section 31.240 Department of Political Science
- Section 31.250 Department of Psychology
- Section 31.270 Department of Religions and Cultures
- Section 31.310 Department of Sociology and Anthropology
- Section 31.330 Department of Theological Studies
- Section 31.515 Co-operative Education in the Faculty of Arts and Science
- Section 31.520 Liberal Arts College
- Section 31.525 Loyola College for Diversity and Sustainability
- Section 31.530 School of Irish Studies
- Section 31.540 School of Community and Public Affairs
- Section 31.550 Science College
- Section 31.560 Simone de Beauvoir Institute and Women's Studies

Section 31.001 Faculty of Arts and Science

concordia.ca/artsci.html

Structure

The Faculty of Arts and Science, comprised of the former Loyola Faculty of Arts and Science, the former Sir George Williams Faculty of Arts, and the former Sir George Williams Faculty of Science, was brought into being on July 1, 1977.

For administrative purposes, the Faculty consists of departments, programs, colleges, institutes, and schools.

The departments and other units of which the Faculty is comprised are as follows:

Departments

Department of Applied Human Sciences

Department of Biology

Department of Chemistry and Biochemistry

Department of Classics, Modern Languages and Linguistics

Department of Communication Studies

Department of Economics

Department of Education

Department of English

Département d'études françaises

Department of Geography, Planning and Environment

Department of Health, Kinesiology, and Applied Physiology

Department of History

Department of Journalism

Department of Mathematics and Statistics

Department of Philosophy

Department of Political Science

Department of Psychology

Department of Religions and Cultures

Department of Sociology and Anthropology

Department of Theological Studies

Colleges

Liberal Arts College

Loyola College for Diversity and Sustainability

School of Irish Studies

School of Community and Public Affairs

Science College

Simone de Beauvoir Institute and Women's Studies

Programs

Certificate in Arts and Science

Certificate in Science Foundations

Minor and Certificate in Black and African Diaspora Studies in the Canadian Context

Minor in Israel Studies

Microprogram in Innovation Mindset

Objectives

The Faculty of Arts and Science is committed to responsible and innovative leadership in developing and disseminating knowledge and values, and encouraging constructive social criticism. The Faculty achieves these objectives through inclusive and accessible academic programs which stress a broad-based, interdisciplinary approach to learning. We are dedicated to superior teaching and research supported by excellence in scholarship and creative activity, and a tradition of service to the community. The Faculty of Arts and Science serves many interdependent academic communities in an urban environment where students, staff, and faculty can pursue their shared commitment to lifelong learning.

Studies in Arts and Science

The Faculty of Arts and Science encourages all students to explore beyond the boundaries of their programs of concentration. This is facilitated by the program structure and graduation requirements of the undergraduate degrees (see Section 31.002 Programs and Admission Requirements and Section 31.003 Degree Requirements). Undergraduate degrees normally require 90 credits of coursework, consisting of at least one program of concentration (major at 36 to 48 credits; specialization or honours at 60 or more credits). The balance of the degree requirements may be made up of one or two minors (24 to 30 credits), one or two elective groups (15 or 18 credits), or by courses selected from a broad spectrum of disciplines. Students electing to take more than one minor may be required to surpass their regular credit requirement for graduation. Students are required to complete at least 15 credits outside their main discipline (defined in this context by the four-letter course prefix) in addition to their program requirements. Credits earned to meet the General Education requirement (see Section 31.004 General Education) may also be counted toward this breadth requirement.

Most major programs are relatively short, allowing maximal development of interests outside the area of concentration. Two areas of concentration can be combined in a double major. Even longer programs (specialization and honours) allow students to diversify their studies for up to one third of their degree requirements.

Program structures thus permit students to obtain a judicious balance between concentrated study and exploration of broader interests. Department and Faculty advisors are available to help students develop a plan of study which accommodates their personal interests and satisfies degree requirements.

Programs of concentration and related minors are published in the Calendar entries for each of the disciplines in the Faculty (Section 31.010 Department of Applied Human Sciences onward). To facilitate innovative exploration outside these standard disciplines, the Faculty offers many alternatives. First, the University has established six Colleges (Section 31.520 Liberal Arts College to Section 31.560 Simone de Beauvoir Institute and Women's Studies) which foster various philosophies and methods of education on an intimate scale. Second, it has created majors which cross disciplinary boundaries (Southern Asia Studies and Women's Studies). In addition, selected students may create their own Individually Structured Program (Section 31.170 Interdisciplinary Studies) under the direction of the Faculty advisor. Finally, the Faculty offers cross-disciplinary minors (for example, Irish Studies, Southern Asia Studies, and Women's Studies) and a number of Interdisciplinary courses (Section 31.170 Interdisciplinary Studies) which may be chosen as electives in any program.

A good education — balancing the development of expert knowledge in a narrow domain with broader academic experience — can be obtained in the Faculty of Arts and Science. The programs outlined are best considered as models of what can be planned by imaginative students and their academic advisors.

Section 31.002 Programs and Admission Requirements

Programs and Admission Requirements

Alternative Entry Programs

Programs and Admission Requirements

0.00	Diploma of Collegial Studies (DEC — Diplôme d'études collégiales).
0.72	DEC or equivalent and appropriate teaching licence.
0.80	Full time teaching position with an educational institution recognized by the Ministère de l'Éducation du Québec (MEQ) and a Provisional Teaching Authorization from the MEQ.
3.14	Biology 301, 401, 911, 921 or 101-NYA.
4.03	Social Science DEC plus Mathematics 300 and Biology 921 (Social Science DEC includes Introductory Psychology).
4.10	DEC in Humanities or equivalent. Any other DEC including courses in Psychology and Quantitative Methods or its equivalent.
5.00	Natural Science DEC.
6.00	DEC intégré en sciences, lettres et arts.
10.1	Mathematics 337 or 103 and 307 or 201-NYA; Biology 301, 401, 911, 921 or 101-NYA; Psychology 101 or 102.
10.5	Two Cegep courses or equivalent in the language to be studied. If these courses were not available at the Cegep attended, the student may be required to complete them at the university level.
10.9	Mathematics 103 or 201-NYA and 203 or 201-NYB; Physics 101 or 203-NYA and 201 or 203-NYB and 301 or 203-NYC; Chemistry 101 or 202-NYA and 201 or 202-NYB; Biology 301 or 101-NYA.
10.10	Mathematics 103 or 201-NYA and 203 or 201-NYB and 105 or 201-NYC; Physics 101 or 203-NYA and 201 or 203-NYB and 301 or 203-NYC; Chemistry 101 or 202-NYA and 201 or 202-NYB; Biology 301 or 101-NYA.
10.12	Mathematics 103 or 201-NYA and 203 or 201-NYB and 105 or 201-NYC.
10.13	There are no particular requirements for graduates of an anglophone Cegep other than the DEC. Graduates of a francophone Cegep must hold a DEC with an advanced course in English or have an equivalent background in English.
11.00	Psychology 101 or 102.
A:	Interview
E:	Essay
G:	Letter of intent
K:	Submission of a portfolio of representative work
L:	Two letters of reference; Early Childhood and Elementary Education and Teaching English as a Second Language require three letters of reference.
N:	English proficiency test/placement test

P:	Competency in written and oral French, to be determined by a proficiency test, the results of which may lead to the rejection of the candidate or the requirement of additional university courses.
Q:	Competency in written and oral English, to be determined by a proficiency test, the results of which may lead to the rejection of the candidate or the requirement of additional university courses.

BA, BSc, BEd

Program titles refer to honours, specialization and major components where these exist. Full information about the programs offered under each title (including combinations with programs in other disciplines) is to be found in the section of the Calendar specified in the third column below.

Profile	Program	Calendar Section
0.00	Adult Education	Section 31.090.2 Adult Education Programs and Courses
0.00	Anthropology	Section 31.310 Department of Sociology and Anthropology
0.00	Anthropology and Sociology	Section 31.310 Department of Sociology and Anthropology
10.9/5.00/6.00	Biochemistry	Section 31.050 Department of Chemistry and Biochemistry
10.9/5.00/6.00	Biology	Section 31.030 Department of Biology
10.9/5.00/6.00	Biology (Cell and Molecular Biology)	Section 31.030 Department of Biology
10.9/5.00/6.00	Biology (Ecology)	Section 31.030 Department of Biology
10.9/5.00/6.00	Biology (Environmental and Sustainability Science)	Section 31.030 Department of Biology
10.10/5.00/6.00	Biology (Systems and Information Biology)	Section 31.030 Department of Biology
0.00	Black and African Diaspora Studies in the Canadian Context	Certificate in Black and African Diaspora Studies in the Canadian Context
0.00	Certificate in Arts and Science	Certificate in Arts and Science
0.00	Certificate in Science Foundations	Certificate in Science Foundations
10.9/5.00/6.00	Chemistry	Section 31.050 Department of Chemistry and Biochemistry
0.00	Child Studies	Section 31.090 Department of Education

0.00	Classics	Section 31.060 Department of Classics, Modern Languages and Linguistics
0.00A,E,G,K,L	Communication Studies	Section 31.070 Department of Communication Studies
0.00A,E,G,L	Communication and Cultural Studies	Section 31.070 Department of Communication Studies
0.00G	Community and Organizational Leadership	Section 31.010 Department of Applied Human Sciences
0.00A,P,Q	Community, Public Affairs and Policy Studies	Section 31.540 School of Community and Public Affairs
0.00G,K	Creative Writing (see also English and Creative Writing)	Section 31.100 Department of English
0.00A,L	Early Childhood and Elementary Education	Section 31.090 Department of Education
0.00	Economics	Section 31.080 Department of Economics
0.00	Education: Adult Education Education (see Child Studies; Early Childhood and Elementary Education; Teaching English as a Second Language)	Section 31.090.2 Adult Education Programs and Courses
0.00	English (see also Creative Writing; Professional Writing)	Section 31.100 Department of English
0.00G,K	English and Creative Writing	Section 31.100 Department of English
0.00	English and History	Section 31.100 Department of English, Section 31.160 Department of History
0.00	English Literature	Section 31.100 Department of English
10.5	Études françaises	Section 31.110 Département d'études françaises
10.5G	Études françaises : Traduction (Spécialisation, Majeure)	Section 31.110 Département d'études françaises
0.00	Études françaises : Langue française (Spécialisation, Majeure, Mineure, Certificat)	Section 31.110 Département d'études françaises
10.5	Études françaises : Littératures de langue française (Spécialisation, Majeure, Mineure)	Section 31.110 Département d'études françaises

10.5	Études françaises : Linguistique française (Mineure)	Section 31.110 Département d'études françaises
10.9/5.00/6.00	Exercise Science (Clinical Exercise Physiology, Athletic Therapy)	Section 31.120 Department of Health, Kinesiology, and Applied Physiology
0.00G	Family Life Education	Section 31.010 Department of Applied Human Sciences
0.00	First Peoples Studies	Section 31.540 School of Community and Public Affairs
	French Studies — see Études françaises	
0.00	Geography, Planning and Environment (BA), Human Environment	Section 31.130 Department of Geography, Planning and Environment
10.9/5.00/6.00	Geography, Planning and Environment (BSc), Environmental Geography	Section 31.130 Department of Geography, Planning and Environment
10.9/5.00/6.00	Geography, Planning and Environment (BSc), Environmental and Sustainability Science	Section 31.130 Department of Geography, Planning and Environment
0.00	German	Section 31.060 Department of Classics, Modern Languages and Linguistics
0.00	History	Section 31.060 Department of Classics, Modern Languages and Linguistics
0.00	History and English	Section 31.160 Department of History, Section 31.100 Department of English
0.00G	Human Relations	Section 31.010 Department of Applied Human Sciences
0.00 A, G	Indigenous Land-Based Education (Microprogram)	Section 31.540 School of Community and Public Affairs
Appropriate	Interdisciplinary Studies — Individually Structured Program	Section 31.170 Interdisciplinary Studies
0.00G	Interdisciplinary Studies in Sexuality (Major)	Section 31.560 Simone de Beauvoir Institute and Women's Studies
0.00	Interdisciplinary Studies in Sexuality (Minor)	Section 31.560 Simone de Beauvoir Institute and Women's Studies
0.00	Irish Studies	Section 31.530 School of Irish Studies

0.00	Italian	Section 31.060 Department of Classics, Modern Languages and Linguistics
0.00G,Q	Journalism	Section 31.180 Department of Journalism
0.00,G	Judaic Studies (Honours)	Section 31.270 Department of Religions and Cultures
0.00A,G	Liberal Arts (Honours)	Section 31.520 Liberal Arts College
0.00	Linguistics	Section 31.060 Department of Classics, Modern Languages and Linguistics
10.12/6.00	Mathematics and Statistics (BA)	Section 31.200 Department of Mathematics and Statistics
10.10/5.00/6.00	Mathematics and Statistics (BSc)	Section 31.200 Department of Mathematics and Statistics
10.12/6.00	Mathematics (Actuarial — BA)	Section 31.200 Department of Mathematics and Statistics
10.10/5.00/6.00	Mathematics (Actuarial — BSc)	Section 31.200 Department of Mathematics and Statistics
10.12/6.00G	Mathematics (Actuarial Mathematics/Finance — BA)	Section 31.200 Department of Mathematics and Statistics
10.10/5.00/6.00G	Mathematics (Actuarial Mathematics/Finance — BSc)	Section 31.200 Department of Mathematics and Statistics
10.12/6.00	Mathematics (Computational Finance — BA)	Section 31.200 Department of Mathematics and Statistics
10.10/5.00/6.00	Mathematics (Computational Finance — BSc)	Section 31.200 Department of Mathematics and Statistics
10.12/6.00	Mathematics (Pure and Applied — BA)	Section 31.200 Department of Mathematics and Statistics
10.10/5.00/6.00	Mathematics (Pure and Applied — BSc)	Section 31.200 Department of Mathematics and Statistics
5.00/6.00/10.10	Neuroscience (BSc)	Section 31.250 Department of Psychology
0.00	Pastoral Care	Section 31.330 Department of Theological Studies

0.00	Philosophy	Section 31.220 Department of Philosophy
10.10/5.00/6.00	Physics	Section 31.230 Department of Physics
0.00	Political Science	Section 31.240 Department of Political Science
0.00N	Professional Writing	Section 31.100 Department of English
10.1/4.03/6.00/3.14 + 4.10	Psychology (BA)	Section 31.250 Department of Psychology
5.00 + 11.00/6.00 + 11.00/10.9 + 11.00	Psychology (BSc)	Section 31.250 Department of Psychology
0.00G	Recreation and Leisure Studies	Section 31.010 Department of Applied Human Sciences
0.00,GHonours	Religions and Cultures (Honours; see also Judaic Studies)	Section 31.270 Department of Religions and Cultures
0.00	Sociology	Section 31.310 Department of Sociology and Anthropology
0.00	Southern Asia Studies	Section 31.270 Department of Religions and Cultures
0.00	Spanish, Hispanic Cultures and Literatures	Section 31.060 Department of Classics, Modern Languages and Linguistics
10.12/6.00	Statistics (BA)	Section 31.200 Department of Mathematics and Statistics
10.10/5.00/6.00	Statistics (BSc)	Section 31.200 Department of Mathematics and Statistics
10.13A,G,L,P,Q	Teaching English as a Second Language	Section 31.090.1 Teaching English as a Second Language Programs and Courses
0.72G,L,Q	Teaching of English as a Second Language (Certificate)	Section 31.090.1 Teaching English as a Second Language Programs and Courses
0.00	Theological Studies (see also Pastoral Care)	Section 31.330 Department of Theological Studies
3.14G	Therapeutic Recreation	Section 31.010 Department of Applied Human Sciences

0.00	Urban Planning	Section 31.130.1 Urban Planning and Urban Studies Programs and Courses
0.00	Urban Studies	Section 31.130.1 Urban Planning and Urban Studies Programs and Courses
0.00	Women's Studies	Section 31.560 Simone de Beauvoir Institute and Women's Studies

Alternative Entry Programs

Mature Student Entry

Extended Credit Program

Kaié:ri Nikawerá:ke Indigenous Bridging Program

Mature Student Entry

Concordia University has a tradition of concern for the education of Mature students; it has always sought to assist students aged 21 and over to undertake undergraduate studies. The staff of the Faculty of Arts and Science provide guidance and encouragement to all Mature Entry students as they begin the challenging journey of plunging into courses and programs in a very large urban university after what could have been years away from classes and studying. Mature students who are seeking first-year academic advice on returning to university studies are encouraged to contact the office of Student Academic Services of the Faculty of Arts and Science. See Section 14.1 Admission as a Mature Student for more information.

Extended Credit Program

BA and BEd Extended Credit Programs

Students admitted to BA and BEd Extended Credit Programs are required to complete an additional 30 credits to earn the degree.

Certain departments in the Faculty have specific requirements. Students intending to follow programs within these departments must include the specified components as part of their degree program.

BA Mathematics: 9 credits in Mathematics — MATH 203, MATH 204, MATH 205

BA Psychology:

3 credits in Mathematics Courses

3 credits in BIOL 201 or BIOL 202

3 credits in PSYC 205

BA Therapeutic Recreation: BIOL 200 or BIOL 201 or BIOL 202, or equivalent

BSc Extended Credit Program

Students admitted to the BSc Extended Credit Program are required to complete an additional 30 credits for the BSc degree and must include the following 30 credits:

3 credits in BIOL 201

6 credits in CHEM 205, CHEM 206

6 credits in MATH 203, MATH 205

12 credits in PHYS 204, PHYS 205, PHYS 206, PHYS 224, PHYS 225, PHYS 226

3 credits in MATH 204 for students intending to enter Systems and Information Biology, or programs of concentration in Mathematics or Physics; or electives for all other students

3 credits in PSYC 205 for students intending to enter a BSc Psychology program

Notes

- Students who have not taken MATH 201, or the equivalent, must take it in place of one of their elective courses.

Kaié:ri Nikawerá:ke Indigenous Bridging Program

The Kaié:ri Nikawerá:ke Indigenous Bridging Program is offered to eligible Indigenous students, specifically from First Nations, Métis and Inuit communities located in Canada,seeking an alternative admission pathway to the undergraduate program of their choice. Students acquire the prerequisite courses and skills to access and transition into the undergraduate program of their choice at Concordia University. For the admissions criteria, please see Section 14.5 Admission as a Kaié:ri Nikawerá:ke Indigenous Bridging Program Student.

Please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program website for more information:

concordia.ca/students/new/indigenous-bridging-program

Kaié:ri Nikawerá:ke Indigenous Bridging Program for General BSc (31 credits)

Note: This program is composed of 31 academic credits and 6 Complementary University Credits (CUC).

6 Complementary University Credits (CUC):

- KNBP 200 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar I (1.50)
- KNBP 201 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar II (1.50)
- UNSS 200 Self-Management Strategies (1.50)
- UNSS 201 Successful Study Strategies (1.50)

19 credits:

- BIOL 201 Introductory Biology (3.00)
- CHEM 205 General Chemistry I (3.00)
- MATH 201 Elementary Functions (3.00)
- MATH 203 Differential and Integral Calculus I (3.00)
- MATH 205 Differential and Integral Calculus II (3.00)
- PHYS 204 Mechanics (3.00)
- PHYS 224 Introductory Experimental Mechanics (1.00)

6 credits:

- ENGL 210 Introduction to Essay Writing (3.00)
- ENGL 212 English Composition — Stage I (3.00)

3 credits of elective courses

3 credits chosen from the appropriate BSc Bridging Stream:

Biology Stream

Chemistry Stream

Geography, Planning and Environment Stream

Health, Kinesiology, and Applied Physiology Stream

Mathematics and Statistics Stream

Neuroscience Stream

Physics Stream

Psychology Stream

Note: Students who are exempt from any required courses are responsible for replacing these credits in consultation with the Kaié:ri Nikawerá:ke Indigenous Bridging advisor.

Note: The following courses cannot be used for credit in any undergraduate degree, Certificate or Microprogram:

KNBP 200, KNBP 201; UNSS 200, UNSS 201.

Biology Stream

3 credits:

- CHEM 206 General Chemistry II (3.00)

Chemistry Stream

3 credits:

- CHEM 206 General Chemistry II (3.00)

Geography, Planning and Environment Stream

3 credits chosen from:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- CHEM 206 General Chemistry II (3.00)
- GEOG 272 The Natural Environment: Air and Water (3.00)
- GEOL 210 Introduction to the Earth (3.00)

Health, Kinesiology, and Applied Physiology Stream

3 credits:

- CHEM 206 General Chemistry II (3.00)

Note: Students may register for EXCI 253 or KCEP 210 instead of CHEM 206 if recommended by the academic advisor.

Mathematics and Statistics Stream

3 credits:

- MATH 204 Vectors and Matrices (3.00)

Neuroscience Stream

3 credits of elective courses

Note: Students may register for MATH 204 if recommended by the academic advisor.

Physics Stream

3 credits chosen from:

- PHYS 205 Electricity and Magnetism (3.00)
- PHYS 284 Introduction to Astronomy (3.00)

Psychology Stream

3 credits:

- PSYC 205 Introductory Psychology (3.00)

Kaié:ri Nikawerá:ke Indigenous Bridging Program for BA Journalism (18 credits)

Note: This program is composed of 18 academic credits and 6 Complementary University Credits (CUC).

6 Complementary University Credits (CUC):

- KNBP 200 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar I (1.50)
- KNBP 201 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar II (1.50)
- UNSS 200 Self-Management Strategies (1.50)
- UNSS 201 Successful Study Strategies (1.50)

6 credits chosen from:

- ENGL 210 Introduction to Essay Writing (3.00)
- ENGL 212 English Composition — Stage I (3.00)
- JOUR 206 Introduction to Reporting (3.00)

9 credits:

- JOUR 205 Principles of Journalistic Thought and Practice (3.00)
- JOUR 207 Introduction to Multimedia (3.00)

- JOUR 212 Introduction to Indigenous Journalism (3.00)

3 credits chosen from:

- JOUR 209 Intermediate Multimedia (3.00)
- JOUR 216 Law and Ethics in Journalism (3.00)
- JOUR 298 Special Topics in Journalism (3.00)

Note: The following courses cannot be used for credit in any undergraduate degree, Certificate or Microprogram: KNBP 200, KNBP 201, UNSS 200, UNSS 201.

Kaié:ri Nikawerá:ke Indigenous Bridging Program for BA Psychology (18 credits)

Note: This program is composed of 18 academic credits and 6 Complementary University Credits (CUC).

6 Complementary University Credits (CUC):

- KNBP 200 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar I (1.50)
- KNBP 201 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar II (1.50)
- UNSS 200 Self-Management Strategies (1.50)
- UNSS 201 Successful Study Strategies (1.50)

3 credits:

- PSYC 205 Introductory Psychology (3.00)

6 credits:

- ENGL 210 Introduction to Essay Writing (3.00)
- ENGL 212 English Composition — Stage I (3.00)

3 credits chosen from:

- BIOL 201 Introductory Biology (3.00)
- BIOL 202 General Biology (3.00)

3 credits:

- MATH 200 Fundamental Concepts of Algebra (3.00)

3 credits of elective courses

Note: Students who are exempt from any required courses are responsible for replacing these credits in consultation with the Kaié:ri Nikawerá:ke Indigenous Bridging advisor.

Note: The following courses cannot be used for credit in any undergraduate degree, Certificate or Microprogram: KNBP 200, KNBP 201, UNSS 200, UNSS 201.

Section 31.003 Degree Requirements

Degree Requirements

In accordance with the recommendations of the Council of Universities of Quebec, the credit base takes into account the total activity of the student. A student preparing for the BA, BEd, or BSc degree takes a minimum of 90 credits. Each credit represents, for the average student, a minimum of 45 hours spread across lectures, conferences, tutorials, laboratories, studio or practice periods, tests, examinations, and personal work.

Since the Cegep programs are designed to give all students the opportunity to explore different fields and thus acquire a broad general basis for further study, the undergraduate programs in the Faculty of Arts and Science require some degree of concentration in specific areas. Detailed statements about these concentrations can be found under the appropriate disciplinary headings in the sections of the Calendar that follow this general account of degree requirements. They represent four main forms of concentration: the minor, major, specialization, and honours; and a fifth form, the certificate. The University's formal definitions of these concentrations are set out in Section 16.2.4 Concentration Requirements.

A **minor** consists of a minimum of 24 specified credits, either in a single discipline that introduces the methodology and key concepts of that discipline, or on a theme spanning more than one discipline and providing a cross-disciplinary or interdisciplinary perspective. The minor must be accompanied by a major, specialization or honours program from a different discipline. Available Arts and Science interdisciplinary and disciplinary minors are indicated in the Calendar entry of each department or in Section 31.170 Interdisciplinary Studies. In addition to the interdisciplinary and disciplinary minors available in Arts and Science, students may apply for a minor in other Faculties.

The **Faculty of Arts and Science** and the **John Molson School of Business:**

With the approval of the John Molson School of Business, Arts and Science students may take a Minor in Business Studies (see Section 61.140 Program Options for Non-Business Students).

The **Faculty of Arts and Science** and the **Gina Cody School of Engineering and Computer Science:**

With the approval of the Gina Cody School of Engineering and Computer Science, Arts and Science students may take a Minor in Computer Science (see Section 71.70.5 Minor in Computer Science).

All minors in the **Faculty of Fine Arts** are open to suitably qualified students.

A **major** consists of a **minimum** of 36 specified credits taken in an approved sequence of courses. In certain programs, however, additional credits are required in cognate disciplines and departments. The major provides a solid grounding in the academic knowledge within the field of concentration. There is no minimum academic performance requirement for students to remain in a major after having met the entrance requirements; see, however, Section 31.520 Liberal Arts College.

Students with appropriate admission requirements may request permission to be admitted to a second program of concentration in the Faculty, normally a major. Exceptionally, students may complete a second major in the Faculty of Fine Arts with permission of both Faculties. Students in a BSc or BEd may apply to add a second major from a program normally offered as part of a BA degree.

Requests for a second major are subject to admission quotas and the student meeting the admission requirements (see Section 31.002 Programs and Admission Requirements). The student record and official transcript indicate all programs. However, students are awarded one degree at graduation (BA, BEd, BSc, and/or BFA).

A **specialization** consists of a **minimum** of 60 specified credits in an approved sequence of courses. A specialization provides a comprehensive education in the program of study. Most specializations do not require a minimum academic performance; for those that have minimum academic performance, requirements are listed in the specific unit's calendar section. Students interested in subsequent "classification" by the Government of Quebec may be advised to follow a specialization or an honours program. Second programs of concentration (minor or major) may be combined with a specialization program according to regulations described above for those programs.

An **honours** program consists of a **minimum** of 60 specified credits taken in an approved sequence of courses. Additional credits may be required in cognate disciplines and departments. Superior academic performance is required for admission to and continuation in the honours program, the precise level of such performance being determined by Senate.

See Section 16.2.4 Concentration Requirements and **Faculty Honours Regulations** set out below for matters governing honours programs at Concordia. An honours degree or equivalent, because it testifies to a student's comprehensive education in a particular field, intellectual commitment to that field, and achievement of a high level of academic performance, has traditionally been required of entrants to postgraduate programs.

Graduation Requirements

1. A candidate for graduation must have successfully completed a program of concentration in the form of an honours, specialization, or major program.
2. A candidate for graduation must have successfully completed at least 15 credits outside the single discipline defined by the four-letter course prefix from which the program of study has been chosen.
3. A candidate for the BA degree must have qualified for admission to, and successfully completed, a program leading to that degree. Specific admission requirements, expressed as Cegep pre-Arts profiles, are listed in Section 31.002 Programs and Admission Requirements. Students wishing to transfer from one degree to another must satisfy the admission requirements of the degree program they seek to enter. See Section 31.002 Programs and Admission Requirements.
4. A candidate for the BSc degree must have qualified for admission to, and successfully completed, a program leading to that degree. Specific admission requirements, expressed as Cegep pre-Science profiles, are listed in Section 31.002 Programs and Admission Requirements. Students wishing to transfer from one degree program to another must satisfy the admission requirements of the degree program they seek to enter.
5. Program students in the Faculty of Arts and Science may take ESL courses for credit, up to a maximum of six credits.
6. A candidate for the BEd degree must have qualified for admission to, and successfully completed, the program leading to that degree. The admission and degree requirements are set out in Section 31.090.1 Teaching English as a Second Language Programs and Courses.
7. In general, the credits obtained for any course may not be used to satisfy the requirements of more than one program. Students first registered in certain certificate programs may however apply credits obtained towards the certificate to a degree program.
8. Independent students will be permitted to apply no more than 30 credits obtained as an Independent student towards any Arts and Science Faculty degree program.
9. Faculty of Arts and Science students must fulfill the General Education requirement outlined in Section 31.004 General Education.

Supplemental Examinations (Arts and Science)

Supplemental examinations shall be offered only when, as a condition for passing the course, it is required that a student pass the final examination regardless of its weighting; or where the final examination contributes 50% or more of the final grade. A student failing a course which comprises entirely, or in part, a laboratory or similar practicum, may not be eligible to write a supplemental examination.

All courses which a student fails and for which there is no supplemental examination shall be graded "FNS" or "R." A failed student (see Section 16.3.10 V Regulations for Failed Students and Student in Conditional Standing under Section 16.3 Evaluation, Administrative Notations, Examinations, and Performance Requirements) may not write supplemental examinations.

Honours Programs

The Faculty of Arts and Science has programs leading to an honours concentration in certain selected fields. To enter an honours program, students must consult their departmental honours advisor or undergraduate program director. The Department will notify the Office of the Registrar of the acceptance.

Honours Regulations (Faculty Regulations)

See also 16.2.4 Concentration Requirements under Section 16.2 Curriculum Regulations

In order to qualify for an honours program, a student must comply with the regulations set forth below.

1. An honours student must meet the general program requirements, as well as the specific requirements for honours. A student must complete a minimum of 30 credits in the courses from the honours program at Concordia University to receive a degree with honours. In certain cases, these 30 credits may include specific courses for which transfer credits may not be awarded.
2. Students already admitted to a program at Concordia University may apply for entry into an honours program with a minimum cumulative GPA of 3.30 (B+) and assessment GPA of 3.30 (B+). It is normally advisable that students have completed 24 to 30 Concordia credits in their program before applying for admission to the honours program, in consultation with their department. GPAs are calculated on the basis of Concordia courses only. Some departments may have a higher cumulative GPA and assessment GPA requirement.
3. All students must maintain a minimum cumulative GPA of 3.30 as well as a minimum assessment GPA of 3.30 within the honours program (some departments may have a higher cumulative GPA and assessment GPA requirement). The minimum acceptable grade in any course is normally "C."
4. Students who are withdrawn from the honours program may proceed in the corresponding specialization or major program. Reinstatement in the honours program is possible only by appeal to the Faculty Honours Committee.
5. A student may qualify for only one honours degree in either a single or combined honours program. A student may qualify for a minor or major program in addition to an honours program. In general, the credits obtained for a particular course may be used to satisfy the requirements of only one program.

Students may appeal the determination of their status or interpretation of requirements in the honours program. Such appeals should be addressed to the Associate Dean, Student Academic Services. The Faculty of Arts and Science has an Honours Committee comprised of three faculty members; one undergraduate student member; one Student Academic Services advisor (nonvoting); one representative of the Office of the Registrar (nonvoting); and the Associate Dean, Student Academic Services, who chairs the Honours Committee.

The Faculty Honours Committee considers applications for exceptions to the honours regulations submitted by departmental honours advisors on behalf of the students. It also adjudicates disputes between students and departments concerning honours programs. Since the Faculty Honours Committee cannot hear appeals contesting its own judgments, students and departments who wish to appeal a decision of the Faculty Honours Committee should address this appeal to the Dean of the Faculty.

Section 31.003.1 Academic Performance Regulations

Objectives

The objectives of these regulations are to ensure that the Faculty can certify that all of its graduates have achieved an acceptable level of scholarship.

Assessment Grade Point Average (AGPA) Requirements and Consequences

See Section Section 16.3.10 Academic Performance for definition of AGPA.

Acceptable standing requires that a student obtain an AGPA of at least 2.00.

Note: Although a "C-" grade (1.70 grade points) is designated as satisfactory in Section 16.1.11 Grading System, an AGPA of 2.00 is required for acceptable standing.

Students in acceptable standing may continue their programs of study, following the advice of their academic departments.

Conditional standing results when a student obtains an AGPA of less than 2.00, but at least 1.50. A student is not permitted to obtain two consecutive conditional standing assessments.

Students in conditional standing may not write supplemental examinations.

Students in conditional standing must obtain acceptable standing at the time of their next assessment.

Failed standing results when a student obtains an AGPA of less than 1.50, or conditional standing in two consecutive periods of assessment.

Students in failed standing may not write supplemental examinations.

Students in failed standing are required to withdraw from their program. Students who are in failed standing for a second time will be dismissed from the University. In subsequent years, should they wish to return to University studies, they must contact the Student Academic Services of the Faculty of Arts and Science for information concerning conditions and procedures for seeking readmission.

Students in failed standing who are not dismissed may apply for readmission through the Dean's Office of the Faculty to which they wish to be readmitted. If readmitted, they will be placed on academic probation. They must return to acceptable standing at the time of their next assessment. Other conditions will be determined at the time of readmission.

Graduation Requirements

Students must satisfy all course requirements, be in acceptable standing, and have a minimum final graduation GPA of 2.00.

The standings of potential graduates who have attempted fewer than 12 credits since their last assessment are determined on the basis that these credits constitute an extension of the last assessment period.

Potential graduates who fail to meet the requirements of acceptable standing, but meet the requirements of conditional standing, will have the following options:

a) register for an additional 12 credits and, at the next assessment, meet the requirements for acceptable standing;

or

b) register for fewer than 12 additional credits.

In this case, standing will be determined on the basis that these extra credits constitute an extension of the last assessment period.

For both option a) and option b), the additional courses taken must be approved by the appropriate member of the Dean's Office, in consultation with the student's department where necessary.

Dean's Office

Dean's Office is to be understood as being the appropriate member of the Dean's Office, normally the Associate Dean, Student Academic Services, or delegate.

Section 31.003.2 Registration Regulations

Lapsed Program

Students enrolled in an honours, specialization, or major program in the Faculty of Arts and Science who have not registered for a course for six consecutive terms or more will have a lapsed notation entered on their student record. Students enrolled in a microprogram in the Faculty of Arts and Science who have not registered for a course for four consecutive terms or more will have a lapsed notation entered on their student record.

Lapsed students must meet with a Student Academic Services advisor in order to continue in their program and to be made aware of possible program modifications. In some cases, students may be required to submit a new application.

Section 31.003.3 In Progress "IP" Notations

IP Notations

Students should refer to Section 16.3.6 In Progress "IP" Notations — Procedures and Regulations — Faculty of Arts and Science for Procedures and Regulations.

The In Progress "IP" notation is reserved for the following courses offered by the Faculty of Arts and Science:

- ACTU 492 Reading Course in Actuarial Mathematics (3.00)
- ACTU 493 Honours Project in Actuarial Mathematics (6.00)
- AHSC 434 Human Relations Capstone Experience (3.00)
- AHSC 436 Internship in Youth and Family Work (6.00)
- AHSC 437 Internship in Recreation and Leisure Studies (6.00)
- AHSC 439 Internship in Human Relations (6.00)
- AHSC 483 Internship in Therapeutic Recreation (12.00)
- ANTH 315 Field Research (6.00)
- ANTH 495 Honours Essay (6.00)
- BIOL 490 Independent Study (6.00)
- CATA 365 Athletic Therapy Field Internship I (6.00)
- CATA 475 Athletic Therapy Clinical Internship I (6.00)
- CATA 485 Athletic Therapy Field Internship II (3.00)
- CATA 495 Athletic Therapy Clinical Internship II (3.00)
- CHEM 419 Independent Study and Practicum (6.00)
- CHEM 450 Research Project and Thesis (6.00)
- COMS 394 Communication Studies Apprenticeship I (3.00)
- COMS 395 Communication Studies Apprenticeship II (3.00)
- COMS 496 Directed Study I (3.00)
- COMS 497 Directed Study II (3.00)
- EDUC 294 Prekindergarten Internship and Seminar (6.00)
- EDUC 297 Internship II: Observation and Evaluation in Education (3.00)

- EDUC 395 Internship III: Kindergarten Teaching (3.00)
- EDUC 465 Child Studies Practicum and Seminar: Early Childhood Settings (6.00)
- EDUC 466 Child Studies Practicum and Seminar: Inclusive Practices in Childhood Settings (6.00)
- EDUC 493 Internship IV: Primary Teaching (3.00)
- EDUC 495 Internship V: Upper Elementary Teaching (3.00)
- ENGL 474 Honours Essay (3.00)
- ENGL 480 Independent Studies (3.00)
- FTRA 420 Stage de formation : de l'anglais au français (6.00)
- FTRA 421 Stage de formation : du français à l'anglais (6.00)
- FTRA 422 Stage de formation : de l'anglais au français I (3.00)
- FTRA 423 Stage de formation : du français à l'anglais I (3.00)
- FTRA 424 Stage de formation : de l'anglais au français II (3.00)
- FTRA 425 Stage de formation : du français à l'anglais II (3.00)
- GEOG 490 Internship in Geography (3.00)
- GEOG 491 Honours Essay and Research Seminar (6.00)
- HIST 304 Tutorial Preparation for the Honours Essay (3.00)
- HIST 486 Public History Internship (3.00)
- HIST 493 Honours Essay Tutorial (6.00)
- JOUR 450 Journalism Practicum (3.00)
- JOUR 451 Independent Study (3.00)
- KCEP 383 Kinesiology and Clinical Exercise Physiology Internship I (3.00)
- KCEP 483 Kinesiology and Clinical Exercise Physiology Internship II (3.00)
- LAWS 4800 Cour du Québec Internship (3.00)
- LOYC 420 Integrative Project (3.00)
- LOYC 421 Directed and Independent Study (3.00)
- MAST 398 Reading Course in Mathematics and Statistics (3.00)
- MATH 495 Reading Course in Pure and Applied Mathematics (3.00)
- MATH 496 Honours Project in Pure and Applied Mathematics (6.00)
- NEUR 387 Directed Research in Neuroscience (3.00)
- NEUR 483 Directed Readings in Neuroscience (3.00)
- NEUR 487 Advanced Directed Research in Neuroscience (3.00)
- PHYS 497 Specialization Research Project (3.00)
- POLI 397 Internship (3.00)

- POLI 495 Honours Thesis (6.00)
- PSYC 387 Directed Research in Psychology (3.00)
- PSYC 483 Directed Readings in Psychology (3.00)
- PSYC 485 Specialization Thesis (6.00)
- PSYC 487 Advanced Directed Research in Psychology (3.00)
- PSYC 495 Honours Thesis (6.00)
- RELI 410 Honours Thesis (6.00)
- RELI 496 Independent Studies in Religions and Cultures (3.00)
- SCOL 290 Directed and Independent Study I (3.00)
- SCOL 391 Directed and Independent Study II (6.00)
- SCOL 490 Directed and Independent Study III (6.00)
- SCPA 411 Internship (3.00)
- SOCI 409 Honours Seminar (6.00)
- SOCI 410 Research Design and Analysis (6.00)
- SOCI 415 Field Research (6.00)
- STAT 498 Reading Course in Statistics (3.00)
- STAT 499 Honours Project in Statistics (6.00)
- TESL 466 Elementary ESL Internship I (3.00)
- TESL 467 Secondary ESL Internship I (3.00)
- TESL 486 Elementary ESL Internship II (6.00)
- TESL 487 Secondary ESL Internship II (6.00)
- TESL 488 Internship Seminar (3.00)
- THEO 404 Practicum in Pastoral Care (3.00)
- THEO 410 Honours Tutorial (3.00)
- THEO 460 Honours Essay (3.00)
- URBS 483 Directed Studies/Practicum in Urban Planning I (3.00)
- URBS 484 Directed Studies/Practicum in Urban Planning II (3.00)
- WSDB 496 Directed Research (6.00)

Section 31.004 General Education

Objectives

An education for life requires the ability to read, write, speak, reason, compute, and listen effectively. This is true for all students, whether they are in the social sciences, humanities, natural sciences, or any other Faculty in the University. The General Education requirement is meant to provide breadth to the student's program of study.

Regulations

A candidate for graduation must satisfy the Arts and Science General Education requirement by successfully completing a minimum of six credits from course offerings outside the candidate's disciplinary sector.

The disciplinary sectors comprising the Faculty of Arts and Science are Humanities, Social Science, and Science. The academic units within each sector are as follows:

Humanities

Department of Classics, Modern Languages and Linguistics

Department of Communication Studies

Department of English

Département d'études françaises

Department of History

School of Irish Studies

Department of Journalism

Liberal Arts College

Department of Philosophy

Department of Theological Studies

Social Science

Department of Applied Human Sciences

Department of Economics

Department of Education

Department of Geography, Planning and Environment

Loyola College for Diversity and Sustainability

Department of Political Science

Department of Religions and Cultures

School of Community and Public Affairs

Simone de Beauvoir Institute and Women's Studies

Department of Sociology and Anthropology

Science

Department of Biology

Department of Chemistry and Biochemistry

Department of Health, Kinesiology, and Applied Physiology

Department of Physics

Department of Psychology

Science College

Notes

Courses falling under the administrative umbrella of Interdisciplinary Studies are considered for General Education requirement purposes to fall within the Social Sciences.

Students may also count courses offered by the John Molson School of Business, the Gina Cody School of Engineering and Computer Science, and the Faculty of Fine Arts toward their General Education requirement.

Students in a 90-credit degree who successfully complete an honours program or a specialization program from the Science disciplinary sector and who complete the Minor in Multidisciplinary Studies in Science offered by the Science College are considered to have met the General Education requirement.

Students enrolled in two areas of concentration which are both within the same disciplinary sector are required to take six credits outside of the sector. For example, students enrolled in a BA Major in History and a BA Major in Theological Studies, both of which fall within the Humanities, must fulfill the requirement by successfully completing either six credits from the Social Science or Science sector, or three credits from the Social Science sector and three credits from the Science sector, or six credits from outside the Faculty of Arts and Science.

Students enrolled in two areas of concentration drawn from different disciplinary sectors will be considered as having satisfied the General Education requirement. For example, students enrolled in a BA Major in Sociology (Social Science) and a BA Major in English Literature (Humanities) will be considered as having satisfied the General Education requirement.

Students enrolled in an undergraduate certificate program are exempt from the General Education requirement as are students pursuing a second or subsequent undergraduate degree.

English as a Second Language (ESL) Courses or introductory English language courses are not considered as substitutions for this requirement.

Section 31.010 Department of Applied Human Sciences

Department of Applied Human Sciences

Applied Human Sciences Programs

Community and Organizational Leadership

- Certificate in Community and Organizational Leadership

Family Life Education

- Certificate in Family Life Education

Human Relations

- BA Specialization in Human Relations
- BA Major in Human Relations
- Minor in Human Relations

Recreation and Leisure Studies

- BA Specialization in Recreation and Leisure Studies
- BA Major in Recreation and Leisure Studies

Therapeutic Recreation

- BA Specialization in Therapeutic Recreation

Department of Applied Human Sciences Courses

Department of Applied Human Sciences

Website

For the complete list of faculty members, please see the department website:

concordia.ca/artsci/applied-human-sciences/about/faculty.html

Department Objectives

The strategic objective of the Department of Applied Human Sciences is to improve quality of life and well-being. This is accomplished through the integration of theory and practice to promote effective practitioner skill. The Department of Applied Human Sciences is an interdisciplinary and applied academic unit which generates knowledge and provides practice-based education in human relations, recreation and leisure studies, therapeutic recreation, human systems intervention, family life education, and community and organizational leadership. Involvement in practical contexts beyond the University provides an important link with members of the community, thereby offering a genuine environment for the exchange of knowledge and expertise.

Certificate in Community and Organizational Leadership

Program Requirements

Certificate in Community and Organizational Leadership (30 credits)

18 credits:

- AHSC 230 Interpersonal Communication and Relationships (3.00)
- AHSC 232 Working in Task Groups (3.00)
- AHSC 260 Program Planning, Design and Evaluation (3.00)
- AHSC 270 Introduction to Human Relations Theory and Research (3.00)
- AHSC 315 Interviewing (3.00)
- AHSC 331 Leadership and Facilitation in Small Groups (3.00)

6 credits chosen from one of the following groups:

Community Development

Organization Development and Change

6 credits chosen from:

- AHSC 225 Principles of Experiential and Action Learning and the Reflective Practitioner (3.00)
- AHSC 311 Respecting Diversity in Human Relations (3.00)
- AHSC 335 Power and Conflict Resolution in Human Systems (3.00)
- AHSC 370 Organizational Development and Change: Models and Methods (3.00)
- AHSC 461 Health Promotion (3.00)
- AHSC 475 Organizational and Community Leadership: A Systems Approach (3.00)

Note: Students enrolled in the Certificate in Community and Organizational Leadership may request permission of the Department to register for AHSC 311, AHSC 335 and AHSC 461.

Community Development

6 credits:

- AHSC 343 Community Development I (3.00)
- AHSC 445 Community Development II (3.00)

Organization Development and Change

6 credits:

- AHSC 332 Organization Development I (3.00)
- AHSC 425 Organization Development II (3.00)

Notes

- The Department of Applied Human Sciences offers a 30-credit program leading to the Concordia University Certificate in Community and Organizational Leadership. Students may transfer into the certificate program credits earned in an incomplete degree or certificate program or as an Independent student, as approved by a departmental undergraduate advisor, provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program.
- **Admission Requirements:** Students are required to complete the 0.00G entrance profile to enter the certificate.
- In the event that a student is awarded an exemption from a required course, it will be necessary for the student to replace that course with another relevant to the program, chosen in consultation with the coordinator of undergraduate programs.
- Students are responsible for satisfying their particular program requirements.

Certificate in Family Life Education

Program Requirements

Certificate in Family Life Education (30 credits)

27 credits:

- AHSC 220 Lifespan Growth and Development for Practitioners (3.00)
- AHSC 230 Interpersonal Communication and Relationships (3.00)
- AHSC 232 Working in Task Groups (3.00)
- AHSC 260 Program Planning, Design and Evaluation (3.00)
- AHSC 312 Sexuality in Human Relations (3.00)
- AHSC 313 Family Communication (3.00)
- AHSC 331 Leadership and Facilitation in Small Groups (3.00)
- AHSC 355 Foundations of Family Life Education (3.00)
- AHSC 434 Human Relations Capstone Experience (3.00)

3 credits chosen from:

- AHSC 311 Respecting Diversity in Human Relations (3.00)
- AHSC 314 Adolescence: Issues and Intervention (3.00)
- AHSC 316 Adulthood: Patterns and Transitions (3.00)
- AHSC 319 Older Adulthood: Issues and Intervention (3.00)
- AHSC 322 Fundamentals of Child- and Youth-Care Work (3.00)
- AHSC 461 Health Promotion (3.00)

Note: Students enrolled in the Certificate in Family Life Education may request permission of the Department to register for AHSC 311, AHSC 312, AHSC 434, and AHSC 461.

Notes

- The Department of Applied Human Sciences offers a 30-credit program leading to the Concordia University Certificate in Family Life Education. Students may transfer into the certificate program credits earned in an incomplete degree or certificate program or as an Independent student, as approved by a departmental undergraduate advisor, provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program.
- **Admission Requirements:** Students are required to complete the 0.00G entrance profile to enter the certificate.

- In the event that a student is awarded an exemption from a required course, it will be necessary for the student to replace that course with another relevant to the program, chosen in consultation with the coordinator of undergraduate programs.
- Students are responsible for satisfying their particular program requirements.

BA Specialization in Human Relations

Program Requirements

Specialization in Human Relations (60 credits)

15 credits:

- AHSC 220 Lifespan Growth and Development for Practitioners (3.00)
- AHSC 230 Interpersonal Communication and Relationships (3.00)
- AHSC 232 Working in Task Groups (3.00)
- AHSC 260 Program Planning, Design and Evaluation (3.00)
- AHSC 270 Introduction to Human Relations Theory and Research (3.00)

12 credits:

- AHSC 311 Respecting Diversity in Human Relations (3.00)
- AHSC 331 Leadership and Facilitation in Small Groups (3.00)
- AHSC 380 Quantitative Research Methods for Practitioners (3.00)
- AHSC 382 Qualitative Research Methods for Practitioners (3.00)

33 credits chosen from one of the following concentrations:

Individual and Small Group Processes Concentration: Specialization in Human Relations

Family Science and Youth Concentration: Specialization in Human Relations

Community Development Concentration: Specialization in Human Relations

Organization Development and Change Concentration: Specialization in Human Relations

Individual and Small Group Processes Concentration: Specialization in Human Relations (33 credits)

6 credits:

- AHSC 225 Principles of Experiential and Action Learning and the Reflective Practitioner (3.00)
- AHSC 400 Advanced Facilitation and Ethics (3.00)

6 credits chosen from:

- AHSC 436 Internship in Youth and Family Work (6.00)
- AHSC 439 Internship in Human Relations (6.00)

9 credits of elective courses chosen from the Individual focus list courses below:

- AHSC 312 Sexuality in Human Relations (3.00)
- AHSC 314 Adolescence: Issues and Intervention (3.00)
- AHSC 315 Interviewing (3.00)
- AHSC 316 Adulthood: Patterns and Transitions (3.00)
- AHSC 319 Older Adulthood: Issues and Intervention (3.00)
- AHSC 452 Counselling Skills and Concepts (3.00)

12 credits of elective courses chosen from the Group focus list courses below:

- AHSC 313 Family Communication (3.00)
- AHSC 322 Fundamentals of Child- and Youth-Care Work (3.00)
- AHSC 335 Power and Conflict Resolution in Human Systems (3.00)
- AHSC 355 Foundations of Family Life Education (3.00)
- AHSC 403 Cultivating Creativity and Social Innovation (3.00)
- AHSC 461 Health Promotion (3.00)
- AHSC 470 Basic Human Relations Laboratory (3.00)

Note: Three of the 21 credits of elective courses must be chosen at the 400 level.

Family Science and Youth Concentration: Specialization in Human Relations (33 credits)

15 credits:

- AHSC 312 Sexuality in Human Relations (3.00)
- AHSC 313 Family Communication (3.00)
- AHSC 320 Family and Youth Legislation (3.00)
- AHSC 355 Foundations of Family Life Education (3.00)
- AHSC 465 Parent-Child Relations (3.00)

6 credits:

- AHSC 436 Internship in Youth and Family Work (6.00)

12 credits of elective courses with at least three credits at the 400 level, chosen from:

- AHSC 314 Adolescence: Issues and Intervention (3.00)
- AHSC 316 Adulthood: Patterns and Transitions (3.00)
- AHSC 319 Older Adulthood: Issues and Intervention (3.00)
- AHSC 322 Fundamentals of Child- and Youth-Care Work (3.00)
- AHSC 343 Community Development I (3.00)

- AHSC 398 Selected Topics in Applied Human Sciences (3.00)
- AHSC 400 Advanced Facilitation and Ethics (3.00)
- AHSC 445 Community Development II (3.00)

Community Development Concentration: Specialization in Human Relations (33 credits)

6 credits:

- AHSC 343 Community Development I (3.00)
- AHSC 445 Community Development II (3.00)

6 credits:

- AHSC 439 Internship in Human Relations (6.00)

21 credits of elective courses with at least three credits at the 400 level, chosen from:

- AHSC 225 Principles of Experiential and Action Learning and the Reflective Practitioner (3.00)
- AHSC 335 Power and Conflict Resolution in Human Systems (3.00)
- AHSC 400 Advanced Facilitation and Ethics (3.00)
- AHSC 403 Cultivating Creativity and Social Innovation (3.00)
- AHSC 411 Social Change and Analysis Methods (3.00)
- AHSC 415 Organizational and Community Sustainability (3.00)
- AHSC 461 Health Promotion (3.00)
- AHSC 475 Organizational and Community Leadership: A Systems Approach (3.00)

Organization Development and Change Concentration: Specialization in Human Relations (33 credits)

6 credits:

- AHSC 332 Organization Development I (3.00)
- AHSC 425 Organization Development II (3.00)

6 credits:

- AHSC 439 Internship in Human Relations (6.00)

21 credits of elective courses with at least three credits at the 400 level, chosen from:

- AHSC 315 Interviewing (3.00)
- AHSC 335 Power and Conflict Resolution in Human Systems (3.00)
- AHSC 370 Organizational Development and Change: Models and Methods (3.00)

- AHSC 400 Advanced Facilitation and Ethics (3.00)
- AHSC 403 Cultivating Creativity and Social Innovation (3.00)
- AHSC 411 Social Change and Analysis Methods (3.00)
- AHSC 415 Organizational and Community Sustainability (3.00)
- AHSC 461 Health Promotion (3.00)
- AHSC 470 Basic Human Relations Laboratory (3.00)
- AHSC 475 Organizational and Community Leadership: A Systems Approach (3.00)

Notes

- Students in Human Relations are required to complete the appropriate entrance profile. The entrance profile is 0.00G for Human Relations (see Section 31.002 Programs and Admission Requirements).
- Students are responsible for satisfying their particular degree requirements.

BA Major in Human Relations

Program Requirements

Major in Human Relations (42 credits)

15 credits:

- AHSC 220 Lifespan Growth and Development for Practitioners (3.00)
- AHSC 230 Interpersonal Communication and Relationships (3.00)
- AHSC 232 Working in Task Groups (3.00)
- AHSC 260 Program Planning, Design and Evaluation (3.00)
- AHSC 270 Introduction to Human Relations Theory and Research (3.00)

6 credits:

- AHSC 311 Respecting Diversity in Human Relations (3.00)
- AHSC 331 Leadership and Facilitation in Small Groups (3.00)

3 credits:

- AHSC 434 Human Relations Capstone Experience (3.00)

18 credits chosen from one of the following concentrations:

Individual and Small Group Processes Concentration: Major in Human Relations

Community Development Concentration: Major in Human Relations

Organization Development and Change Concentration: Major in Human Relations

Individual and Small Group Processes Concentration: Major in Human Relations (18 credits)

6 credits:

- AHSC 225 Principles of Experiential and Action Learning and the Reflective Practitioner (3.00)
- AHSC 400 Advanced Facilitation and Ethics (3.00)

3 credits of elective courses chosen from the Individual focus list:

- AHSC 312 Sexuality in Human Relations (3.00)
- AHSC 314 Adolescence: Issues and Intervention (3.00)
- AHSC 315 Interviewing (3.00)
- AHSC 316 Adulthood: Patterns and Transitions (3.00)

- AHSC 319 Older Adulthood: Issues and Intervention (3.00)
- AHSC 452 Counselling Skills and Concepts (3.00)

6 credits of elective courses chosen from the Group focus list:

- AHSC 313 Family Communication (3.00)
- AHSC 322 Fundamentals of Child- and Youth-Care Work (3.00)
- AHSC 335 Power and Conflict Resolution in Human Systems (3.00)
- AHSC 355 Foundations of Family Life Education (3.00)
- AHSC 403 Cultivating Creativity and Social Innovation (3.00)
- AHSC 461 Health Promotion (3.00)
- AHSC 470 Basic Human Relations Laboratory (3.00)

3 credits of elective courses at the 400 level chosen from the Individual focus list or the Group focus list

Community Development Concentration: Major in Human Relations (18 credits)

6 credits:

- AHSC 343 Community Development I (3.00)
- AHSC 445 Community Development II (3.00)

12 credits of elective courses with at least three credits at the 400 level, chosen from:

- AHSC 225 Principles of Experiential and Action Learning and the Reflective Practitioner (3.00)
- AHSC 335 Power and Conflict Resolution in Human Systems (3.00)
- AHSC 400 Advanced Facilitation and Ethics (3.00)
- AHSC 411 Social Change and Analysis Methods (3.00)
- AHSC 415 Organizational and Community Sustainability (3.00)
- AHSC 461 Health Promotion (3.00)
- AHSC 475 Organizational and Community Leadership: A Systems Approach (3.00)

Organization Development and Change Concentration: Major in Human Relations (18 credits)

6 credits:

- AHSC 332 Organization Development I (3.00)
- AHSC 425 Organization Development II (3.00)

12 credits of elective courses with at least three credits at the 400 level, chosen from:

- AHSC 315 Interviewing (3.00)

- AHSC 335 Power and Conflict Resolution in Human Systems (3.00)
- AHSC 370 Organizational Development and Change: Models and Methods (3.00)
- AHSC 403 Cultivating Creativity and Social Innovation (3.00)
- AHSC 411 Social Change and Analysis Methods (3.00)
- AHSC 415 Organizational and Community Sustainability (3.00)
- AHSC 470 Basic Human Relations Laboratory (3.00)
- AHSC 475 Organizational and Community Leadership: A Systems Approach (3.00)

Notes

- Students in Human Relations are required to complete the appropriate entrance profile. The entrance profile is 0.00G for Human Relations (see Section 31.002 Programs and Admission Requirements).
- Students are responsible for satisfying their particular degree requirements.

Minor in Human Relations

Program Requirements

Minor in Human Relations (30 credits)

12 credits:

- AHSC 220 Lifespan Growth and Development for Practitioners (3.00)
- AHSC 230 Interpersonal Communication and Relationships (3.00)
- AHSC 232 Working in Task Groups (3.00)
- AHSC 260 Program Planning, Design and Evaluation (3.00)

3 credits:

- AHSC 331 Leadership and Facilitation in Small Groups (3.00)

15 credits of elective courses chosen from:

- AHSC 225 Principles of Experiential and Action Learning and the Reflective Practitioner (3.00)
- AHSC 270 Introduction to Human Relations Theory and Research (3.00)
- AHSC 311 Respecting Diversity in Human Relations (3.00)
- AHSC 312 Sexuality in Human Relations (3.00)
- AHSC 313 Family Communication (3.00)
- AHSC 314 Adolescence: Issues and Intervention (3.00)
- AHSC 315 Interviewing (3.00)
- AHSC 316 Adulthood: Patterns and Transitions (3.00)
- AHSC 319 Older Adulthood: Issues and Intervention (3.00)
- AHSC 322 Fundamentals of Child- and Youth-Care Work (3.00)
- AHSC 335 Power and Conflict Resolution in Human Systems (3.00)
- AHSC 452 Counselling Skills and Concepts (3.00)
- AHSC 461 Health Promotion (3.00)
- AHSC 470 Basic Human Relations Laboratory (3.00)
- AHSC 475 Organizational and Community Leadership: A Systems Approach (3.00)

Notes

- Students in Human Relations are required to complete the appropriate entrance profile. The entrance profile is 0.00G for Human Relations (see section Section 31.002 Programs and Admission Requirements).
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in Recreation and Leisure Studies

Program Requirements

Specialization in Recreation and Leisure Studies (60 credits)

12 credits:

- AHSC 220 Lifespan Growth and Development for Practitioners (3.00)
- AHSC 230 Interpersonal Communication and Relationships (3.00)
- AHSC 241 Recreation and Leisure in Contemporary Society (3.00)
- AHSC 260 Program Planning, Design and Evaluation (3.00)

21 credits:

- AHSC 321 Historical Foundations of Leisure and Recreation (3.00)
- AHSC 350 Leisure Education in Therapeutic Recreation and Leisure Services (3.00)
- AHSC 361 Leisure Services Leadership (3.00)
- AHSC 371 Community Recreation Planning (3.00)
- AHSC 380 Quantitative Research Methods for Practitioners (3.00)
- AHSC 382 Qualitative Research Methods for Practitioners (3.00)
- AHSC 385 Social Psychology of Leisure (3.00)

9 credits:

- AHSC 427 Administration of Therapeutic Recreation and Leisure Services (3.00)
- AHSC 431 Integrative Seminar in Recreation and Leisure Studies (3.00)
- AHSC 442 Community Development and Leisure (3.00)

6 credits:

- AHSC 437 Internship in Recreation and Leisure Studies (6.00)

12 credits of elective courses chosen from either Recreation Programming Group or Recreation Administration Group

Recreation Programming Group (12 credits)

12 credits, with at least three credits at the 400 level, chosen from:

- AHSC 281 Introduction to Therapeutic Recreation (3.00)
- AHSC 300 Supporting Inclusion through Leisure and Therapeutic Recreation (3.00)

- AHSC 310 Tourism in Canada (3.00)
- AHSC 311 Respecting Diversity in Human Relations (3.00)
- AHSC 323 Gender and Leisure (3.00)
- AHSC 333 Leisure and the Environment (3.00)
- AHSC 360 Play, Adult Learning and Development (3.00)
- AHSC 403 Cultivating Creativity and Social Innovation (3.00)
- AHSC 421 Political and Legal Aspects of Leisure Services (3.00)
- AHSC 422 Youth and Leisure (3.00)
- AHSC 444 The Older Adult and Leisure (3.00)
- AHSC 461 Health Promotion (3.00)
- AHSC 490 Independent Study I (3.00)
- AHSC 491 Independent Study II (3.00)

Recreation Administration Group (12 credits)

12 credits, with at least three credits at the 300 level, chosen from:

- COMM 229 Managing People in Organizations (3.00)
- MANA 201 Introduction to Business and Management (3.00)
- MANA 202 Human Behaviour in Organizations (3.00)
- MANA 298 Business Law (3.00)
- MANA 300 Entrepreneurship: Launching Your Business (3.00)
- MANA 343 Communication and Negotiation (3.00)
- MANA 374 Sustainable Management (3.00)

Notes

- Students in Recreation and Leisure Studies are required to complete the appropriate entrance profile. The entrance profile is 0.00G for Recreation and Leisure Studies.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Recreation and Leisure Studies

Program Requirements

Major in Recreation and Leisure Studies (42 credits)

12 credits:

- AHSC 220 Lifespan Growth and Development for Practitioners (3.00)
- AHSC 230 Interpersonal Communication and Relationships (3.00)
- AHSC 241 Recreation and Leisure in Contemporary Society (3.00)
- AHSC 260 Program Planning, Design and Evaluation (3.00)

15 credits:

- AHSC 321 Historical Foundations of Leisure and Recreation (3.00)
- AHSC 350 Leisure Education in Therapeutic Recreation and Leisure Services (3.00)
- AHSC 361 Leisure Services Leadership (3.00)
- AHSC 371 Community Recreation Planning (3.00)
- AHSC 385 Social Psychology of Leisure (3.00)

6 credits:

- AHSC 427 Administration of Therapeutic Recreation and Leisure Services (3.00)
- AHSC 442 Community Development and Leisure (3.00)

9 credits of elective courses with at least three credits at the 400 level, chosen from:

- AHSC 281 Introduction to Therapeutic Recreation (3.00)
- AHSC 300 Supporting Inclusion through Leisure and Therapeutic Recreation (3.00)
- AHSC 310 Tourism in Canada (3.00)
- AHSC 311 Respecting Diversity in Human Relations (3.00)
- AHSC 323 Gender and Leisure (3.00)
- AHSC 333 Leisure and the Environment (3.00)
- AHSC 360 Play, Adult Learning and Development (3.00)
- AHSC 403 Cultivating Creativity and Social Innovation (3.00)
- AHSC 421 Political and Legal Aspects of Leisure Services (3.00)
- AHSC 422 Youth and Leisure (3.00)
- AHSC 444 The Older Adult and Leisure (3.00)

- AHSC 461 Health Promotion (3.00)

Notes

- Students in Recreation and Leisure Studies are required to complete the appropriate entrance profile. The entrance profile is 0.00G for Recreation and Leisure Studies.
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in Therapeutic Recreation

Program Requirements

Specialization in Therapeutic Recreation (63 credits)

15 credits:

- AHSC 220 Lifespan Growth and Development for Practitioners (3.00)
- AHSC 230 Interpersonal Communication and Relationships (3.00)
- AHSC 241 Recreation and Leisure in Contemporary Society (3.00)
- AHSC 260 Program Planning, Design and Evaluation (3.00)
- AHSC 281 Introduction to Therapeutic Recreation (3.00)

24 credits:

- AHSC 300 Supporting Inclusion through Leisure and Therapeutic Recreation (3.00)
- AHSC 321 Historical Foundations of Leisure and Recreation (3.00)
- AHSC 338 Therapeutic Recreation in the Context of Disability (3.00)
- AHSC 348 Concepts in Therapeutic Recreation Programming I (3.00)
- AHSC 350 Leisure Education in Therapeutic Recreation and Leisure Services (3.00)
- AHSC 361 Leisure Services Leadership (3.00)
- AHSC 380 Quantitative Research Methods for Practitioners (3.00)
- AHSC 382 Qualitative Research Methods for Practitioners (3.00)

9 credits:

- AHSC 427 Administration of Therapeutic Recreation and Leisure Services (3.00)
- AHSC 432 Seminar in Therapeutic Recreation (3.00)
- AHSC 448 Concepts in Therapeutic Recreation Programming II (3.00)

12 credits:

- AHSC 483 Internship in Therapeutic Recreation (12.00)

3 credits of elective courses chosen from:

- AHSC 312 Sexuality in Human Relations (3.00)
- AHSC 314 Adolescence: Issues and Intervention (3.00)
- AHSC 320 Family and Youth Legislation (3.00)

- AHSC 360 Play, Adult Learning and Development (3.00)
- AHSC 385 Social Psychology of Leisure (3.00)
- AHSC 403 Cultivating Creativity and Social Innovation (3.00)
- AHSC 422 Youth and Leisure (3.00)
- AHSC 442 Community Development and Leisure (3.00)
- AHSC 444 The Older Adult and Leisure (3.00)

Notes

- Students in Therapeutic Recreation are required to complete the appropriate entrance profile. The entrance profile is 3.14G for Therapeutic Recreation.
- Students may complete the 3.14 profile at Concordia after admission (see Section 31.002 Programs and Admission Requirements).
- Students are responsible for satisfying their particular degree requirements.

Department of Applied Human Sciences Courses

AHSC 220 Lifespan Growth and Development for Practitioners (3 credits)

Description:

This survey course provides an interdisciplinary overview of biopsychosocial patterns of development over the lifespan, from conception to death. Students learn about theories of human development, with an emphasis on typical normative development, and on application of theory to practice. The course material covers key issues in development, major milestones of development, and major life events. In addition, students are given opportunities to think critically and to become better able to interpret and assess research within the field.

Component(s):

"Laboratory" (Human Relations)

Notes:

- Students registered in a Psychology program may not take this course for credit.
- Students who have received credit for PSYC 230 may not take this course for credit.

AHSC 223 Relationships Across the Lifespan (3 credits)

Description:

This course is designed to provide a theoretical overview of how relationships are formed, sustained, and developed/changed in each stage of human life. A variety of theories and perspectives are explored.

Component(s):

"Lecture"

Notes:

- AHSC students may not take this course for credit.
- Students who have received credit for AHSC 220 or for this topic under an AHSC 298 number may not take this course for credit.

AHSC 225 Principles of Experiential and Action Learning and the Reflective Practitioner (3 credits)

Description:

This course introduces students to the ways in which theories of learning (including experiential, transformational, integral and action learning) relate to and can inform efforts to bring improvement and change to individuals and groups. The course explores the importance of personal engagement in learning, and illustrates how ongoing reflection strengthens a learning process. It enables students to create clear personal visions, set relevant learning goals, create and organize related activities, and assess their progress. The course provides learning process models and ways to identify personal stylistic differences which affect personal learning progress and strategies.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

AHSC 230 Interpersonal Communication and Relationships (3 credits)

Description:

This course is designed to provide knowledge and skill in building and maintaining interpersonal relationships characterized by mutual understanding and respect. Students can expect to enhance their understanding of themselves and their personal styles. The course focuses on effective communication behaviour. Students can expect to improve their abilities to attend to verbal and non-verbal communication; exchange constructive feedback with others; address and deal constructively with conflict; and communicate across differences, such as gender and race. Conceptual perspectives include the contextual influences in relationship dynamics and the role of affect in interpersonal communication. The course also examines value considerations.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

AHSC 232 Working in Task Groups (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 230.

Description:

This course is an introduction to understanding interaction and developmental processes of small groups and skill-building for effective participation. It enables students to learn frameworks for observing a group's process, member roles that facilitate positive group processes and task accomplishment, and models of intervention in small groups. The course provides opportunities for students to integrate the theory they learn with their experiences in a task group.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

AHSC 241 Recreation and Leisure in Contemporary Society (3 credits)

Description:

This course introduces students to the theories and relationships of play, perceptions of free and discretionary time, concepts of leisure, and the historical foundations for the discipline. The concepts are presented as integral components of today's lifestyle. In addition, the organized recreation system is examined, with an introduction to the leisure services delivery system. The students also examine the role that leisure plays in current societal issues.

Component(s):

"Lecture"

Notes:

- Students who have received credit for AHSC 242 may not take this course for credit.

AHSC 260 Program Planning, Design and Evaluation (3 credits)

Description:

The course prepares students to construct effective interactive programs designed for specific client populations. Using program design principles and practices, students match learning activities to desired program outcomes, while considering participant qualities and contextual features. Emphasis is placed on assessment, design, and evaluation knowledge and skills.

Component(s):

"Lecture"

AHSC 270 Introduction to Human Relations Theory and Research (3 credits)

Description:

This course is an introduction to general systems theory and change from an interventionist perspective, as well as an orientation to various unique human systems. It focuses on understanding applied social science research and examines general strategies of intervention and salient models of practice, exposing students to varied domains of application. The course also features attention to values and ethical issues associated with specific practice and intervention strategies and the role of social justice and anti-oppressive approaches.

Component(s):

"Lecture"

AHSC 281 Introduction to Therapeutic Recreation (3 credits)

Description:

An examination of the fundamental concepts of therapeutic recreation. Included is the study of the historical foundations and the basic terminology, purposes, and theories of therapeutic recreation.

Component(s):

"Lecture"

AHSC 298 Selected Topics in Applied Human Sciences (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

AHSC 300 Supporting Inclusion through Leisure and Therapeutic Recreation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 241, AHSC 260, AHSC 281.

Description:

This course provides an overview of the ways leisure and therapeutic recreation practice can contribute to exclusion as well as support inclusion. By recognizing that exclusion happens when interconnected identity-related differences (e.g. race,

class, gender, age, ability, sexual orientation) result in a lack of opportunities for full participation in society, this course examines how exclusion exists within the realm of leisure. This course examines how inclusion encourages respect for differences and how the removal of obstacles allows for participation in community life. This course identifies ways leisure spaces and practices support inclusion across a range of differences. Each student is required to complete a 16-hour placement at an organization that supports individuals at risk of exclusion.

Component(s):

"Lecture"; "Fieldwork"

AHSC 310 Tourism in Canada (3 credits)

Description:

This course presents an examination of the tourism industry in Canada, including concepts, research, practices, and promotion. Topics covered include destination motivation, commercial recreation, business travel, trends in tourism development, government agencies, the economics of promotion, social objectives, market segmentation, and ethical and legal considerations.

Component(s):

"Lecture"

AHSC 311 Respecting Diversity in Human Relations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 230. Students must have completed 24 university credits prior to enrolling.

Description:

This course examines the role of interconnected identity-related differences, such as age, culture, disability, ethnicity, gender, geographical location, health status, history, language, power, race, religion, sexual orientation, social class, and privilege in human relationships and human systems. Students learn about histories of oppression and marginalization in Canada, theories of diversity and difference, as well as the impact of social justice movements and being and becoming an ally. Students are given opportunities to develop critical thinking and analytic skills and respect for difference and diversity.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

Notes:

- Students who have received credit for AHSC 245 may not take this course for credit.

AHSC 312 Sexuality in Human Relations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 220 and AHSC 230. Students must have completed 24 university credits prior to enrolling, or students must be enrolled in the Major or Minor in Interdisciplinary Studies in Sexuality.

Description:

This course provides students with knowledge of physical and psychosocial aspects of sexuality in relationships through life and examines values, attitudes, and issues related to the development and expression of sexuality. Topics include gender, family, cultural and media influences; historically and culturally based attitudes; prevention and sexually transmitted diseases; self-perception and identity in sexuality; and emotion and sexuality. The course aims to foster respect for persons and diversity.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

Notes:

- Students who have received credit for AHSC 253 may not take this course for credit.

AHSC 313 Family Communication (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 220, AHSC 230.

Description:

This course is a requirement for students enrolled in the Certificate in Family Life Education. This course is an examination of patterns, effective approaches, and issues in communication among persons in primary partnerships and families. It also explores topics such as diversity in forms of "family," decision-making, problem-solving, power relations, gender issues, managing differences in expectations, and the influences of cultural, social, and economic contexts.

Component(s):

"Lecture"

Notes:

- Students who have received credit for AHSC 254 may not take this course for credit.

AHSC 314 Adolescence: Issues and Intervention (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 220.

Description:

This course links knowledge of adolescent development to a more detailed examination of related adolescent patterns and issues, including peer relations and friendship, parental and family relations, identity, sexuality and gender, and socio-economic and cultural influences. Directed towards students interested in working with adolescents, the course combines theoretical and practical knowledge relating to adolescents, their parents and their concerns for the purpose of enhancing the adolescent experience.

Component(s):

"Lecture"

AHSC 315 Interviewing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 230.

Description:

This course reviews different forms and concepts relevant to interviewing for use in work and community settings. It examines communication influences on the interviewer and interviewee and the limitations of different interview approaches. It enables students to structure and design interviews, to build rapport, and to manage information flow.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

Notes:

- Students who have received credit for AHSC 256 may not take this course for credit.

AHSC 316 Adulthood: Patterns and Transitions (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 220.

Description:

This course examines relationships, transitions, and developmental change through early adulthood and middle age. Relevant adult development theories are reviewed. Students explore the nature and significance of close relationships, life transitions, choices and contextual influences. This course includes a consideration of the societal values inherent in notions of maturity, optimal environments, and interventions to enhance quality of life.

Component(s):

"Lecture"

AHSC 319 Older Adulthood: Issues and Intervention (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 220.

Description:

This course explores developmental change patterns and differences among people in older adulthood. Topics include retirement and pensions, concepts of health, fitness, well-being and models of health care, housing and transportation, leisure, family and social relations, ethnicity and aging, loss and grief, death and dying. Designed for persons interested in working with older adults, the course fosters awareness of myths, stereotypes and ageism, and emphasizes an attention to community social support and interventions which are enabling.

Component(s):

"Lecture"

AHSC 320 Family and Youth Legislation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 220.

Description:

This course reviews all aspects of federal and provincial legislation that impact on practice with families. Legislation governing marriage, divorce and custody, family violence, child and youth protection and placement, youth crime, child advocacy and the challenges of working with families in relation to the legislation, are presented with a particular focus on the rights of children and the legal responsibilities of practitioners.

Component(s):

"Lecture"

AHSC 321 Historical Foundations of Leisure and Recreation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 241. Students must have completed 24 university credits prior to enrolling.

Description:

This course offers an overview of leisure and recreation throughout history, highlighting selected major trends among different historical eras. This includes the historical and philosophical roots of leisure, the conditions in society that have affected leisure, the responses to those conditions, and the role of leisure in contemporary life. This course offers an opportunity to analyze the values, beliefs and ethics relating to leisure that shape modern traditions and cultures.

Component(s):

"Lecture"

Notes:

- Students who have received credit for AHSC 215, HIST 215, PHIL 255 or for this topic under an AHSC 298 number may not take this course for credit.

AHSC 322 Fundamentals of Child- and Youth-Care Work (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 220.

Description:

The objectives of this course are to provide students with an understanding of the scope and status of child- and youth-care work, to sensitize them to the necessary competencies and daily challenges of this work in a range of settings, and to review relevant theory. An overview of the history of the field is provided, as well as a review of seminal writings and recent literature on best practices.

Component(s):

"Lecture"

Notes:

- Students who have received credit for AHSC 402 or for this topic under an AHSC 398 number may not take this course for credit.

AHSC 323 Gender and Leisure (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 241. Students must have completed 24 university credits prior to enrolling.

Description:

This course focuses on theory and empirical research concerning the relationships between gender and leisure. This includes topics such as the effect of gender on leisure meanings, constraints to leisure, and participation in leisure. In addition, this course explores the cultural influences of leisure related to gender identity and gender relations. As part of this, the course explores the role that leisure plays as a significant site for the social construction and contestation of gender. Emphasis is placed on understanding ways in which gender relations and gender role expectations affect and are affected by leisure.

Component(s):

"Lecture"

AHSC 331 Leadership and Facilitation in Small Groups (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 232, AHSC 260 .

Description:

This experiential course develops facilitative approaches and skills for leadership in small groups. Students learn to distinguish between traditional concepts of leadership and more contemporary facilitative styles. Frameworks and skills integrating group process observation, effective intervention, and design for human and social service organizations relevant to purposeful small group learning are explored. Students identify their own leadership strengths and cultivate facilitation skills to develop flexibility in adapting to diverse group situations.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

Notes:

- Students who have received credit for AHSC 330 may not take this course for credit.

AHSC 332 Organization Development I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 230, AHSC 270.

Description:

This course introduces students to the characteristics of organizations as open systems. The evolution of organization development and the principle theories and perspectives that have helped to define the field are studied. Organization development methods as well as criteria for examining organizational effectiveness, underlying beliefs, values, and assumptions are examined. It introduces students to training and design theories relevant to organizational learning. Key concepts covered are organization vision, mission and goals, and organization norms and culture.

Component(s):

"Lecture"

Notes:

- Students who have received credit for AHSC 420 or 423 may not take this course for credit.

AHSC 333 Leisure and the Environment (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 241. Students must have completed 24 university credits prior to enrolling.

Description:

This course examines the state of the natural environment, and explains how leisure service providers play a crucial leadership role in fulfilling the needs of both the public and the environment.

Component(s):

"Lecture"

AHSC 335 Power and Conflict Resolution in Human Systems (3 credits)

Prerequisite/Corequisite:

Students must complete 24 university credits prior to enrolling.

Description:

This course gives students a theoretical and practical overview of the role of power and conflict in human relationships and human systems — groups, organizations, and communities. The concept of power is explored in depth since the use of power is central in both the creation and the resolution of conflict. The course focuses on the development of analytical tools that serve to identify the different elements leading to, maintaining or escalating conflicts. Particular attention is given to ethics associated with the use of power and management of conflict.

Component(s):

"Lecture"

AHSC 338 Therapeutic Recreation in the Context of Disability (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 220, AHSC 281.

Description:

This course gives an overview of the role of therapeutic recreation services for individuals living with disabilities. It focuses on physical, cognitive and emotional diagnostic criteria, analyzes the facilitators and constraints to recreation participation along with the planning and designing of a safe and accessible recreational environment.

Component(s):

"Lecture"

Notes:

- Students who have received credit for AHSC 383 or AHSC 384 may not take this course for credit.

AHSC 343 Community Development I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 230, AHSC 270.

Description:

This course examines the field of community development through the presentation of basic models. The examination of these models in historical and environmental contexts focuses on understanding how they reflect different views of social relationships. Students explore different approaches to working with communities and the implications for practice. The course introduces students to design theory relevant to community development. Students also examine ways of analyzing and defining community resources, problems, and issues.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

Notes:

- Students who have received credit for AHSC 440 or 443 may not take this course for credit.

AHSC 348 Concepts in Therapeutic Recreation Programming I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 241, AHSC 260, AHSC 281. Students must have completed 24 university credits prior to enrolling.

Description:

This course explores current therapeutic recreation practices with emphasis on the therapeutic recreation assessment and planning process in community and clinical settings with a variety of clientele. Students critically examine therapeutic recreation theories and models to understand how they provide a framework for assessing clients and planning therapeutic recreation services at comprehensive and specific program levels.

Component(s):

"Lecture"

Notes:

- Students who have received credit for AHSC 450 may not take this course for credit.

AHSC 350 Leisure Education in Therapeutic Recreation and Leisure Services (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 241, AHSC 260.

Description:

This course offers an introduction to the field of leisure education in therapeutic recreation and leisure services. The history and underlying philosophy of the concept is presented. The roles of the school, community, and community-serving agencies are examined. Existing models are analyzed and discussed.

Component(s):

"Lecture"; "Fieldwork"

AHSC 355 Foundations of Family Life Education (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 232. The following courses must be completed previously or concurrently: AHSC 260 and AHSC 313.

Description:

This course examines Family Life Education from its inception as a field of practice to its current status in North America. It highlights complex related issues and the role of the educator, including attention to personal values and ethical principles of the practitioner. Topics include distinctions between prevention education and therapeutic intervention, and an overview of the range of different family life education programs and current practices.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

AHSC 360 Play, Adult Learning and Development (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 220. Students must have completed 24 university credits prior to enrolling.

Description:

This course examines the concept of play in adult learning and development. Gender, age, ethnic and social class diversity are explored as they relate to adult play behaviour.

Component(s):

"Lecture"

AHSC 361 Leisure Services Leadership (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 230, AHSC 241.

Description:

This course offers an analysis of leadership theory and its application to leisure services. Major topics are the principles and practices of leadership, group dynamics, leadership skill development and program planning, and the unique role of the leisure leader.

Component(s):

"Lecture"; "Workshop"

AHSC 370 Organizational Development and Change: Models and Methods (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 270, AHSC 332.

Description:

The focus of this course is on the practice of human system intervention from a pragmatic as well as a theoretical perspective. The course emphasizes collaborative strategies for effecting change in human systems within a broad range of intervention alternatives. It focuses on the interventionist's role in effective change strategy development, initiation, management, and evaluation. The course is taught with a special focus on personal and professional values and ethical issues related to human systems intervention.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

AHSC 371 Community Recreation Planning (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 241, AHSC 260. Students must have completed 24 university credits prior to enrolling.

Description:

The course focuses on the application of recreation planning, theory, and skills. It examines methods and procedures used to assess client needs, design and deliver programs and services, and evaluate their impact. Practical experience is gained through a combination of field experience, project planning, and group work.

Component(s):

"Lecture"; "Fieldwork"

AHSC 380 Quantitative Research Methods for Practitioners (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 260. Students must have completed 24 university credits prior to enrolling.

Description:

This course gives an overview of a range of data collection and analysis strategies which are relevant to collaborative and participative intervention practice. It examines practical considerations for selecting specific quantitative approaches and prepares students to formulate and administer intervention-related questionnaires, to conduct basic quantitative analyses, and to present data results to interested individuals and groups. The course also examines basic ethical requirements in conducting applied social research.

Component(s):

"Lecture"

AHSC 382 Qualitative Research Methods for Practitioners (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 260. Students must have completed 24 university credits prior to enrolling.

Description:

This course gives an overview of a range of qualitative approaches to practical projects and interventions. It prepares students to design and conduct interviews (including making decisions about respondent selection) with individuals and in focus groups, as well as participant observation. It also enables students to analyze qualitative data from these sources as well as documentary sources in light of practical project purposes. The course highlights special ethical considerations in conducting qualitative forms of applied social research.

Component(s):

"Lecture"

AHSC 385 Social Psychology of Leisure (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 241. Students must have completed 24 university credits prior to enrolling.

Description:

This course deepens students' understanding of how personal and social factors shape individuals' perceptions and experiences of recreation and leisure. Students engage in a critical review of current theory and research focusing on the relationship between leisure and individual functioning, and applications to human problems associated with leisure.

Component(s):

"Lecture"

Notes:

- Students who have received credit for AHSC 285, PSYC 286 or for this topic under an AHSC 298 number may not take this course for credit.

AHSC 386 Indigenous Perspectives Across Disciplines (3 credits)

Description:

This course presents Indigenous perspectives and knowledges in a broad array of topics, with the objective of providing the background necessary to understand the history of European-Canadian and First Nations, Métis and Inuit Relations, as well as the impacts of social policy on Indigenous Peoples. Students explore concepts of decolonization and the long-existent, yet often overlooked, contribution of Indigenous knowledges across social science disciplines. This exposure is also accompanied by the reflection on the ethics of working with Indigenous peoples and communities. Students learn to think critically about the ways that Indigenous "social problems" are presented in society, in particular academia, the media and the helping professions.

Component(s):

"Lecture"

AHSC 398 Selected Topics in Applied Human Sciences (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

AHSC 399 Selected Topics in Applied Human Sciences (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

AHSC 400 Advanced Facilitation and Ethics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 331. Students must have completed 45 university credits prior to enrolling.

Description:

This course examines in-depth special challenges in facilitating groups (e.g. youth groups, workplace training, and education programs) and develops advanced skills in facilitation and the development of process tools and designs. Special consideration is given to planning for diversity, working with difficult group dynamics, and other factors. Ethical principles and practices of working with people are also explored.

Component(s):

"Lecture"; "Laboratory" Human Relations

AHSC 403 Cultivating Creativity and Social Innovation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 232 or AHSC 361.

Description:

This course explores the multi-faceted nature of creativity and its cultivation as a method of personal and professional development. Drawing upon current theories and conceptions about creativity, both individual and social, this course identifies strategies to enhance creativity in human systems in order to improve engagement and quality of life. Social innovation as a dimension of community and organizational creativity is examined in depth.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

AHSC 411 Social Change and Analysis Methods (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 260; AHSC 332 or AHSC 343.

Description:

This course is designed to enhance students' knowledge and practical abilities in social analysis and community-based research methods as tools for promoting social change in community and organizational contexts. It includes hands-on opportunities to design and present social analysis methods. Course readings include practical and analytical materials.

Component(s):

"Lecture"

AHSC 415 Organizational and Community Sustainability (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 270 or LOYC 320. Students must have completed 30 credits prior to enrolling.

Description:

This course addresses the requirements and processes necessary to build organizational and community sustainable goals in co-operation with surrounding communities. It provides an introduction to the development of integrated social sustainability and sustainable organizational practices, including sustainability evaluations, the assessment of organizational sustainability status and goals, goal setting, and change processes within a broader, sustainable community context. It acknowledges an integration of multiple layers of organizational (private and public organizations) and community sustainability including recycling and waste awareness, best sustainable practices in industries and logistics, biodiversity, human diversity and social innovation in the context of sustainable development of communities and organizations.

Component(s):

"Lecture"; "Fieldwork"

AHSC 421 Political and Legal Aspects of Leisure Services (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 241. Students must have completed 30 university credits prior to enrolling.

Description:

This course provides students with a theoretical understanding of the complexity of providing leisure services in the province of Quebec. The course examines the administration of leisure services in municipal, regional, provincial, and federal governments. The course examines law as it applies to aspects of recreational activities in the areas of organization, supervision, and participation. The course covers the Quebec Civil Code, the Canadian Constitution, and the Quebec and Canadian Charter of Rights and Freedoms as they apply to the study of leisure.

Component(s):

"Lecture"

AHSC 422 Youth and Leisure (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 220, AHSC 241, AHSC 260. Students must have completed 30 university credits prior to enrolling.

Description:

This course develops an understanding of the leisure needs of youth from emotional, physical, psychological, and sociological perspectives. Major areas of discussion include leisure preferences and needs assessment, strategies for programming, dealing with youth-at-risk, and recreational opportunities for youth.

Component(s):

"Lecture"; "Fieldwork"

AHSC 425 Organization Development II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 331, AHSC 332. Students must have completed 30 credits prior to enrolling.

Description:

This course provides students with the opportunity to apply organization development concepts and strategies to effect change in organizations. Using theoretical, case, and experiential approaches, the focus of instruction progressively guides the student through the stages of organization development. Concepts covered include entry and contracting, identifying organizational issues and goals for change, collecting and analyzing pertinent organizational data, and diagnosis and feedback to the client. Opportunities for the development of change-agent skills are provided through the emphasis on in-class applications.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

Notes:

- Students who have received credit for AHSC 420 may not take this course for credit.

AHSC 427 Administration of Therapeutic Recreation and Leisure Services (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 361; AHSC 348 or AHSC 371. Students must have completed 60 university credits prior to enrolling.

Description:

This course offers an analysis of the processes involved in planning and managing therapeutic recreation and leisure service delivery systems. Topics to be studied include principles of planning, organization, budgeting, and supervision.

Component(s):

"Lecture"

AHSC 431 Integrative Seminar in Recreation and Leisure Studies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 321, AHSC 361, AHSC 371, AHSC 385. Students must have completed 60 university credits prior to enrolling.

Description:

This interdisciplinary course provides students with an opportunity to integrate what they have learned in the Recreation and Leisure Studies program through student-led discussion and experiential learning. Students apply the knowledge and skills acquired through their coursework which prepares them for keeping pace with future developments in the recreation and leisure profession.

Component(s):

"Seminar"

AHSC 432 Seminar in Therapeutic Recreation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 321, AHSC 338, AHSC 361, AHSC 448. Students must have completed 60 university credits prior to enrolling.

Description:

This is a third-year interdisciplinary seminar in which students can tie together all that they have learned in the Therapeutic Recreation program. Additionally, students are set on a course of study that should continue after they graduate so that they can keep up with future developments in this area.

Component(s):

"Seminar"

AHSC 434 Human Relations Capstone Experience (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: AHSC 400 or AHSC 425 or AHSC 445. Students must complete 60 university credits prior to enrolling. Permission of the Department is required for students enrolled in the Certificate in Family Life Education.

Description:

The course provides students with an opportunity to apply skills acquired through their coursework in Human Relations by carrying out a project with a client organization in the community. The course includes classroom sessions, tutorials, coordination and planning with a team of peers, and a field-based group project.

Component(s):

"Lecture"; "Fieldwork"; "Field Studies"

Notes:

- Students who have received credit for AHSC 435 may not take this course for credit.

AHSC 436 Internship in Youth and Family Work (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 331; AHSC 322 or AHSC 355. The following course must be completed previously or concurrently: AHSC 465. Students must have completed 60 credits prior to enrolling. Permission from the Department is required.

Description:

This course is one of two internship options for students enrolled in the Specialization in Human Relations. This internship provides students with a supervised opportunity to apply learning from the BA Specialization in Human Relations to work with youth and families in a range of settings such as child welfare, schools, non-profit organizations, residential care, or outreach. The specific objectives are to teach about planning, education, and intervention in human service work, to promote self-reflection as a critical component of ethical practice, and to provide a basis for further career planning and/or graduate work in youth and family practice.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for AHSC 439 or for this topic under an AHSC 499 number may not take this course for credit.

AHSC 437 Internship in Recreation and Leisure Studies (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 361, AHSC 371. Students must have completed 60 credits prior to enrolling. Permission from the Department is required.

Description:

This course provides students with an opportunity to design, implement, and evaluate programs; to facilitate groups in a variety of settings; and to establish working relationships with field personnel. In consultation with their supervisors, students select a site related to their learning interests. Students learn to develop and manage their own project and to self-assess their work. The course includes fieldwork, seminars, and team meetings.

Component(s):

"Practicum/Internship/Work Term"

AHSC 439 Internship in Human Relations (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: AHSC 225 and AHSC 400; or AHSC 332 and AHSC 425; or AHSC 343 and AHSC 445. Students must have completed 60 university credits prior to enrolling. Permission of the Department is required.

Description:

This course is one of two internship options for students enrolled in the Specialization in Human Relations. This course provides students with an opportunity to design, implement, and evaluate small group leadership in several settings, and to negotiate working relationships with site personnel. Students will be solely responsible for facilitating several tasks or learning groups in community, work, or educational settings. The sites will be selected according to students' learning interests and in consultation with the course instructor. The course includes supervisory team meetings and internship seminar sessions.

Component(s):

"Seminar"

AHSC 442 Community Development and Leisure (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 361; AHSC 348 or AHSC 371. Students must have completed 30 university credits prior to enrolling.

Description:

This course involves the examination of philosophical and theoretical community development approaches in the field of leisure studies. Students explore the numerous elements of community development practice including citizen engagement, relationship building, and community capacity. Students develop their understanding of current trends in community development and critically examine its implications for practice in the context of leisure.

Component(s):

"Lecture"; "Fieldwork"

AHSC 444 The Older Adult and Leisure (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 220, AHSC 241, AHSC 260. Students must have completed 30 university credits prior to enrolling.

Description:

This course examines the aging process in the physical, cognitive, and affective domains. It familiarizes the student with the characteristics of the aging population as related to leisure, recreation, and lifestyle. It focuses on developing and understanding the impact of lifelong leisure in the aging process. The course reviews issues related to the phenomenon of leisure in retirement and discusses the process of delivering leisure services to older individuals.

Component(s):

"Lecture"

AHSC 445 Community Development II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 331, AHSC 343. Students must have completed 30 credits prior to enrolling.

Description:

This course focuses on how to intervene in community contexts; identify community structures and inter-group dynamics relevant to intervention planning; gather and organize data for use by communities; develop intervention plans that involve the community each step of the way and that foster leadership within its ranks; and evaluate an intervention. Attention is given to cultural diversity and value differences.

Component(s):

"Lecture"; "Fieldwork"

Notes:

- Students who have received credit for AHSC 440 may not take this course for credit.

AHSC 448 Concepts in Therapeutic Recreation Programming II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 348.

Description:

This course explores current therapeutic recreation practices with emphasis on the implementation and evaluation of therapeutic recreation services. Students critically examine therapeutic recreation theories and models to understand how they provide a framework for providing therapeutic recreation services. Students apply the therapeutic recreation process in community and clinical settings with a variety of client groups.

Component(s):

"Lecture"; "Fieldwork"

Notes:

- Students who have received credit for AHSC 381 may not take this course for credit.

AHSC 452 Counselling Skills and Concepts (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 220, AHSC 230. Students must have completed 45 credits prior to enrolling.

Description:

This course introduces students to a common-factors approach to counselling and promotes an understanding of other theoretical and value frameworks for helping relationships with individuals. It fosters the application of essential helping relationship skills and provides an overview of the stages in the helping process. In this course, students practise relevant skills, including attending to non-verbal behaviour, reflection of content, reflection of feeling, and paraphrasing and summarizing. Also highlighted are ethical issues and attention to cultural differences.

Component(s):

"Lecture"; "Laboratory" (Human Relations)

Notes:

- Students who have received credit for AHSC 351 or AHSC 451 may not take this course for credit.

AHSC 461 Health Promotion (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 230. Students must have completed 30 university credits prior to enrolling.

Description:

In this course, students learn to develop theoretical understanding and practical skills in the area of health promotion. Applying a holistic definition of health, this course critically examines health and its social determinants from ecological and intersectional perspectives. Topics may include theories of health behaviour change, health literacy and health communication, mental health and life promotion, population health, community wellness, and healthy workplace practices.

Component(s):

"Lecture"

Notes:

- Students who have received credit for AHSC 460 may not take this course for credit.

AHSC 465 Parent-Child Relations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AHSC 232, AHSC 313, AHSC 380. Students must have completed 45 university credits prior to enrolling.

Description:

This course provides an advanced understanding of parenting theories, research, and applications in the context of parent-child relations over the life span. Topics include parenting rights and responsibilities, parenting practices and programs, high-risk parenting, and parental assessment.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an AHSC 498 number may not take this course for credit.

AHSC 470 Basic Human Relations Laboratory (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 331. Students must have completed 60 university credits prior to enrolling.

Description:

This is an intensive format six-day learning session through which students may expect to increase their awareness of how their behaviour affects others, increase their skill and understanding of effectively and responsibly communicating to and exchanging feedback with others, increase their understanding of leadership and authority relations, and deepen their understanding of group dynamics.

Component(s):

"Laboratory" (Human Relations)

AHSC 475 Organizational and Community Leadership: A Systems Approach (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AHSC 331.

Description:

This course is an introduction to the practice of leadership in organizations and communities with a human systems approach and perspective. It examines a range of theoretical concepts current in organizational leadership practice including systems thinking, team-based leadership, transformational models of leadership, and strategy formulation from a leadership perspective. It provides an opportunity for students to examine ethics, values, and abilities required in organizational leadership today.

Component(s):

"Lecture"

Notes:

- Students who have received credit for AHSC 375 may not take this course for credit.

AHSC 483 Internship in Therapeutic Recreation (12 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: 60 university credits including AHSC 321, AHSC 338, AHSC 361, AHSC 448. Permission from the Department is required.

Description:

This course provides students with an opportunity to design, implement, and evaluate programs, to facilitate groups in a variety of settings, and to establish working relationships with field personnel. In consultation with their supervisors, students select a site related to their learning interests. Students learn to develop and manage their own project and to self-assess their work. The course includes fieldwork, seminars, and team meetings.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for AHSC 438 may not take this course for credit.

AHSC 490 Independent Study I (3 credits)

Prerequisite/Corequisite:

Students must have completed 30 university credits prior to enrolling. Permission from the Department is required.

Description:

Students work on topics in consultation with a study supervisor. The study may include readings, field studies, and/or research.

Component(s):

"Independent Study"

AHSC 491 Independent Study II (3 credits)

Prerequisite/Corequisite:

Students must have completed 30 university credits prior to enrolling. Permission from the Department is required.

Description:

Students work on topics in consultation with a study supervisor. The study may include readings, field studies, and/or research.

Component(s):

"Independent Study"

Notes:

- A student who has received credit for AHSC 490 may register for AHSC 491.

AHSC 498 Advanced Topics in Applied Human Sciences (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

AHSC 499 Advanced Topics in Applied Human Sciences (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.030 Department of Biology

Department of Biology

Biology Programs

- Biology Program Notes
- **Biology**
  - BSc Honours in Biology
  - BSc Specialization in Biology
  - BSc Major in Biology
  - Minor in Biology
- **Cell and Molecular Biology**
  - BSc Honours in Cell and Molecular Biology
  - BSc Specialization in Cell and Molecular Biology
- **Ecology**
  - BSc Honours in Ecology
  - BSc Specialization in Ecology
- **Environmental and Sustainability Science**
  - BSc Honours in Environmental and Sustainability Science
  - BSc Specialization in Environmental and Sustainability Science
- **Systems and Information Biology**
  - BSc Honours in Systems and Information Biology
  - BSc Specialization in Systems and Information Biology
  - Systems and Information Biology Program Modules and Course Lists
- Biology Course Groups

Biology Co-operative Program

Department of Biology Courses

Department of Biology

Website

For the complete list of faculty members, please consult the Department website.:

concordia.ca/artsci/biology/about/faculty.html

Department Objectives

The Biology Department is dedicated to teaching and research that advance understanding of life from molecules and cells to organisms, populations, and entire ecosystems. The Department's programs inspire students with an appreciation of the rich diversity of the living world.

Students acquire a comprehensive grounding in modern biology through classroom study as well as extensive hands-on training in research methodology. A variety of specialized laboratories and equipment supports both research and teaching activities.

The Department is also participating in the Kaié:ri Nikawerá:ke Indigenous Bridging Program for BSc Biology students. This program offers alternative entry to eligible Indigenous students, specifically from First Nations, Métis and Inuit communities located in Canada, whose academic path is non-traditional. Students who successfully complete this bridging program will be able to transition to the program of their choice within the Department of Biology. For admissions criteria, please consult the following pages:

- Kaié:ri Nikawerá:ke Indigenous Bridging Program under Section 14 Alternative Entry
- Kaié:ri Nikawerá:ke Indigenous Bridging Program for General BSc, Biology Stream, under Section 31.002 Programs and Admission Requirements
- Please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program website for more information:

  concordia.ca/students/new/indigenous-bridging-program

Biology Program Notes

- The Biology Department offers Honours and Specialization programs in Biology, Cell and Molecular Biology, Ecology, Environmental and Sustainability Science, and Systems and Information Biology, as well as Major and Minor programs in Biology.
- Students planning a career or graduate studies in the biological sciences normally follow the appropriate honours or specialization program.
- The major program is designed for students who wish to study biology and either obtain a more general education or pursue an additional program in another discipline. The major program can be combined with a major in another department.
- Students registered in the Honours in Biology, Specialization in Biology, or Major in Biology may select Biology electives in various subject areas in order to obtain a broad overview of the discipline. However, it is possible for students to pursue in-depth studies in specific areas such as animal biology, plant biology, or microbiology and biotechnology.
- The minor program can only be taken by students registered in another degree program and provides an opportunity to gain a basic exposure to the main sub-disciplines of Biology or to pursue one such area in some depth.
- Students are strongly encouraged to take advantage of academic counselling services available in the Biology Department in order to select the program and courses that best meet their needs.
- Students may transfer among programs after the first year of study since the core courses in all programs are quite similar.

BSc Honours in Biology

Program Requirements

Honours in Biology (72 credits)

27 credits:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 490 Independent Study (6.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 271 Biochemistry I (3.00)

Note: Students entering the program with Cegep Organic Chemistry must replace CHEM 221 with an equivalent number of credits in Biology program electives.

3 credits chosen from:

- BIOL 322 Biostatistics (3.00)
- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)

12 credits chosen from:

- BIOL 227 Laboratory Studies in Biodiversity (3.00)
- BIOL 330 Vertebrate Biology (3.00)
- BIOL 337 Invertebrate Biology (3.00)
- BIOL 340 Plant Biology (3.00)
- BIOL 364 Cell Physiology (3.00)
- BIOL 366 Mechanisms of Development (3.00)
- BIOL 371 Microbiology (3.00)
- BIOL 382 Comparative Animal Physiology (3.00)
- BIOL 385 Entomology (3.00)

30 credits chosen from Biology courses at the 300 and/or 400 level, with a minimum of nine credits at the 400 level, or courses selected from the Chemistry Courses for Biology Programs list

Note: To satisfy the Biology lab requirement, students must take at least nine credits from Biology courses with lab components: BIOL 227, BIOL 330, BIOL 337, BIOL 340, BIOL 368, BIOL 382, BIOL 450, and BIOL 466.

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Admission, retention, and graduation in an honours program requires that the student has a cumulative and last assessment GPA of at least 3.30 with no grade below C.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Biology

Program Requirements

Specialization in Biology (60 credits)

21 credits:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 367 Molecular Biology (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 271 Biochemistry I (3.00)

Note: Students entering the program with Cegep Organic Chemistry must replace CHEM 221 with an equivalent number of credits in Biology program electives.

3 credits chosen from:

- BIOL 322 Biostatistics (3.00)
- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)

12 credits chosen from:

- BIOL 227 Laboratory Studies in Biodiversity (3.00)
- BIOL 330 Vertebrate Biology (3.00)
- BIOL 337 Invertebrate Biology (3.00)
- BIOL 340 Plant Biology (3.00)
- BIOL 364 Cell Physiology (3.00)
- BIOL 366 Mechanisms of Development (3.00)
- BIOL 371 Microbiology (3.00)
- BIOL 382 Comparative Animal Physiology (3.00)
- BIOL 385 Entomology (3.00)

24 credits chosen from Biology courses at the 300 and/or 400 level, with a minimum of six credits at the 400 level, or courses selected from the Chemistry Courses for Biology Programs list

Note: To satisfy the Biology lab requirement, students must take at least nine credits from Biology courses with lab components: BIOL 227, BIOL 330, BIOL 337, BIOL 340, BIOL 368, BIOL 382, BIOL 450, BIOL 466.

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Major in Biology

Program Requirements

Major in Biology (45 credits)

21 credits:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 367 Molecular Biology (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 271 Biochemistry I (3.00)

Note: Students entering the program with Cegep Organic Chemistry must replace CHEM 221 with an equivalent number of credits in Biology program electives.

3 credits chosen from:

- BIOL 322 Biostatistics (3.00)
- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)

9 credits chosen from the following courses, with a minimum of six credits from courses with lab components (BIOL 227, BIOL 330, BIOL 337, BIOL 340, BIOL 382):

- BIOL 227 Laboratory Studies in Biodiversity (3.00)
- BIOL 330 Vertebrate Biology (3.00)
- BIOL 337 Invertebrate Biology (3.00)
- BIOL 340 Plant Biology (3.00)
- BIOL 364 Cell Physiology (3.00)
- BIOL 366 Mechanisms of Development (3.00)
- BIOL 371 Microbiology (3.00)
- BIOL 382 Comparative Animal Physiology (3.00)
- BIOL 385 Entomology (3.00)

12 credits chosen from Biology courses at the 300 and/or 400 level, with a minimum of three credits at the 400 level, or courses selected from the Chemistry Courses for Biology Programs list

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Biology

Program Requirements

Minor in Biology (24 credits)

9 credits:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 227 Laboratory Studies in Biodiversity (3.00)

3 credits chosen from:

- BIOL 206 Elementary Genetics (3.00)
- BIOL 261 Molecular and General Genetics (3.00)

12 credits of Biology elective courses

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Honours in Cell and Molecular Biology

Program Requirements

Honours in Cell and Molecular Biology (72 credits)

51 credits:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 364 Cell Physiology (3.00)
- BIOL 366 Mechanisms of Development (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 368 Genetics and Cell Biology Laboratory (3.00)
- BIOL 466 Advanced Techniques in Molecular Biology (3.00)
- BIOL 490 Independent Study (6.00)
- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 222 Introductory Organic Chemistry II (3.00)
- CHEM 271 Biochemistry I (3.00)
- CHEM 375 Biochemistry II (3.00)
- CHEM 477 Advanced Laboratory in Biochemistry (3.00)

Note: Students entering the program with Cegep Organic Chemistry must replace CHEM 221 and CHEM 222 with an equivalent number of credits in Biology program electives.

21 credits chosen from:

- BIOL 227 Laboratory Studies in Biodiversity (3.00)

Biology courses at the 300 and/or 400 level, with a minimum of 12 credits at the 400 level, or courses selected from the Chemistry Courses for Biology Programs list

Note: To satisfy the Biology lab requirement, students must take at least nine credits from Biology courses with lab components: BIOL 227, BIOL 330, BIOL 337, BIOL 340, BIOL 368, BIOL 382, BIOL 450, BIOL 466.

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Admission, retention, and graduation in an honours program requires that the student has a cumulative and last assessment GPA of at least 3.30 with no grade below C.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Cell and Molecular Biology

Program Requirements

Specialization in Cell and Biology and Molecular Biology (66 credits)

45 credits:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 364 Cell Physiology (3.00)
- BIOL 366 Mechanisms of Development (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 368 Genetics and Cell Biology Laboratory (3.00)
- BIOL 466 Advanced Techniques in Molecular Biology (3.00)
- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 222 Introductory Organic Chemistry II (3.00)
- CHEM 271 Biochemistry I (3.00)
- CHEM 375 Biochemistry II (3.00)
- CHEM 477 Advanced Laboratory in Biochemistry (3.00)

Note: Students entering the program with Cegep Organic Chemistry must replace CHEM 221 and CHEM 222 with an equivalent number of credits in Biology program electives.

21 credits chosen from:

- BIOL 227 Laboratory Studies in Biodiversity (3.00)

Biology courses at the 300 and/or 400 level, with a minimum of 12 credits at the 400 level or courses selected from the Chemistry Courses for Biology Programs list.

Note: To satisfy the Biology lab requirement, students must take at least nine credits from Biology courses with lab components: BIOL 227, BIOL 330, BIOL 337, BIOL 340, BIOL 368, BIOL 382, BIOL 450, BIOL 466.

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Honours in Ecology

Program Requirements

Honours in Ecology (72 credits)

30 credits:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 322 Biostatistics (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 490 Independent Study (6.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 271 Biochemistry I (3.00)

Note: Students entering the program with Cegep Organic Chemistry must replace CHEM 221 with an equivalent number of credits in Biology program electives.

12 credits chosen from:

- BIOL 227 Laboratory Studies in Biodiversity (3.00)
- BIOL 330 Vertebrate Biology (3.00)
- BIOL 337 Invertebrate Biology (3.00)
- BIOL 340 Plant Biology (3.00)
- BIOL 364 Cell Physiology (3.00)
- BIOL 366 Mechanisms of Development (3.00)
- BIOL 371 Microbiology (3.00)
- BIOL 382 Comparative Animal Physiology (3.00)
- BIOL 385 Entomology (3.00)

12 credits chosen from:

- BIOL 321 Evolution (3.00)
- BIOL 350 The Ecology of Individuals (3.00)
- BIOL 351 Basic Population Ecology (3.00)
- BIOL 353 Communities and Ecosystems (3.00)

- BIOL 354 Behavioural Ecology (3.00)
- GEOG 363 Geographic Information Systems (3.00)

9 credits chosen from:

- BIOL 450 Techniques in Ecology (3.00)
- BIOL 451 Field Ecology (3.00)
- BIOL 452 Population and Conservation Genetics (3.00)
- BIOL 457 Conservation Biology (3.00)
- BIOL 459 Aquatic Ecology (3.00)
- BIOL 473 Environmental Microbiology (3.00)
- GEOG 463 Advanced Geographic Information Systems (3.00)

9 credits chosen from Biology courses at the 300 and/or 400 level, or courses selected from the Chemistry Courses for Biology Programs list

Note: To satisfy the Biology lab requirement, students must take at least nine credits from Biology courses with lab components: BIOL 227, BIOL 330, BIOL 337, BIOL 340, BIOL 368, BIOL 382, BIOL 450, BIOL 466.

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Admission, retention, and graduation in an honours program requires that the student has a cumulative and last assessment GPA of at least 3.30 with no grade below C.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Ecology

Program Requirements

Specialization in Ecology (60 credits)

24 credits:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 322 Biostatistics (3.00)
- BIOL 367 Molecular Biology (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 271 Biochemistry I (3.00)

Note: Students entering the program with Cegep Organic Chemistry must replace CHEM 221 with an equivalent number of credits in Biology program electives.

12 credits chosen from:

- BIOL 227 Laboratory Studies in Biodiversity (3.00)
- BIOL 330 Vertebrate Biology (3.00)
- BIOL 337 Invertebrate Biology (3.00)
- BIOL 340 Plant Biology (3.00)
- BIOL 364 Cell Physiology (3.00)
- BIOL 366 Mechanisms of Development (3.00)
- BIOL 371 Microbiology (3.00)
- BIOL 382 Comparative Animal Physiology (3.00)
- BIOL 385 Entomology (3.00)

9 credits chosen from:

- BIOL 321 Evolution (3.00)
- BIOL 350 The Ecology of Individuals (3.00)
- BIOL 351 Basic Population Ecology (3.00)
- BIOL 353 Communities and Ecosystems (3.00)
- BIOL 354 Behavioural Ecology (3.00)

- GEOG 363 Geographic Information Systems (3.00)

6 credits chosen from:

- BIOL 450 Techniques in Ecology (3.00)
- BIOL 451 Field Ecology (3.00)
- BIOL 452 Population and Conservation Genetics (3.00)
- BIOL 457 Conservation Biology (3.00)
- BIOL 459 Aquatic Ecology (3.00)
- BIOL 473 Environmental Microbiology (3.00)
- GEOG 463 Advanced Geographic Information Systems (3.00)

9 credits chosen from Biology courses at the 300 and/or 400 level, or courses selected from the Chemistry Courses for Biology Programs list

Note: To satisfy the Biology lab requirement, students must take at least nine credits from Biology courses with lab components: BIOL 227, BIOL 330, BIOL 337, BIOL 340, BIOL 368, BIOL 382, BIOL 450, BIOL 466.

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Honours in Environmental and Sustainability Science

Program Requirements

Honours in Environmental and Sustainability Science (69 credits)

33 credits from the Environmental and Sustainability Science Core (housed in Section 31.130 Department of Geography, Planning and Environment)

30 credits from the Environmental Biology Stream (Honours)

6 credits:

- BIOL 490 Independent Study (6.00)

Environmental Biology Stream (Honours) (30 credits)

9 credits chosen from:

- BIOL 227 Laboratory Studies in Biodiversity (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 321 Evolution (3.00)
- BIOL 351 Basic Population Ecology (3.00)
- BIOL 353 Communities and Ecosystems (3.00)
- CHEM 271 Biochemistry I (3.00)
- GEOG 371 Landscape Ecology (3.00)
- GEOG 374 Plant Ecology (3.00)
- URBS 338 Urban Ecology (3.00)

6 credits chosen from:

- BIOL 330 Vertebrate Biology (3.00)
- BIOL 337 Invertebrate Biology (3.00)
- BIOL 340 Plant Biology (3.00)
- BIOL 354 Behavioural Ecology (3.00)
- BIOL 367 Molecular Biology (3.00)
- GEOG 375 Hydrology (3.00)
- GEOG 377 Landform Evolution (3.00)
- GEOG 378 The Climate System (3.00)

- GEOL 302 Palaeobiology (3.00)

3 credits chosen from:

- GEOG 463 Advanced Geographic Information Systems (3.00)
- GEOG 465 Remote Sensing (3.00)

12 credits chosen from:

- BIOL 422 Advanced Statistics for Biological Sciences (3.00)
- BIOL 423 Scientific Communication (3.00)
- BIOL 450 Techniques in Ecology (3.00)
- BIOL 451 Field Ecology (3.00)
- BIOL 452 Population and Conservation Genetics (3.00)
- BIOL 457 Conservation Biology (3.00)
- BIOL 459 Aquatic Ecology (3.00)
- BIOL 473 Environmental Microbiology (3.00)
- CHEM 458 Aquatic Biogeochemistry (3.00)
- GEOG 470 Environmental Management (3.00)
- GEOG 475 Water Resource Management (3.00)
- GEOG 476 Indigenous and Environmental History of Americas since 1492 (3.00)
- GEOG 478 Climate Change: Science, Impacts and Policy (3.00)
- GEOG 479 Primate Behaviour, Ecology and Conservation (3.00)

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Admission, retention, and graduation in an honours program requires that the student has a cumulative and last assessment GPA of at least 3.30 with no grade below C.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Environmental and Sustainability Science

Program Requirements

Specialization in Environmental and Sustainability Science (63 credits)

33 credits from the Environmental and Sustainability Science Core (housed in Section 31.130 Department of Geography, Planning and Environment)

30 credits from the Environmental Biology Stream (Specialization)

Environmental Biology Stream (Specialization) (30 credits)

9 credits chosen from:

- BIOL 227 Laboratory Studies in Biodiversity (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 321 Evolution (3.00)
- BIOL 351 Basic Population Ecology (3.00)
- BIOL 353 Communities and Ecosystems (3.00)
- CHEM 271 Biochemistry I (3.00)
- GEOG 371 Landscape Ecology (3.00)
- GEOG 374 Plant Ecology (3.00)
- URBS 338 Urban Ecology (3.00)

6 credits chosen from:

- BIOL 330 Vertebrate Biology (3.00)
- BIOL 337 Invertebrate Biology (3.00)
- BIOL 340 Plant Biology (3.00)
- BIOL 354 Behavioural Ecology (3.00)
- BIOL 367 Molecular Biology (3.00)
- GEOG 375 Hydrology (3.00)
- GEOG 377 Landform Evolution (3.00)
- GEOG 378 The Climate System (3.00)
- GEOL 302 Palaeobiology (3.00)

3 credits chosen from:

- GEOG 463 Advanced Geographic Information Systems (3.00)
- GEOG 465 Remote Sensing (3.00)

12 credits chosen from:

- BIOL 422 Advanced Statistics for Biological Sciences (3.00)
- BIOL 423 Scientific Communication (3.00)
- BIOL 450 Techniques in Ecology (3.00)
- BIOL 451 Field Ecology (3.00)
- BIOL 452 Population and Conservation Genetics (3.00)
- BIOL 457 Conservation Biology (3.00)
- BIOL 459 Aquatic Ecology (3.00)
- BIOL 473 Environmental Microbiology (3.00)
- CHEM 458 Aquatic Biogeochemistry (3.00)
- GEOG 470 Environmental Management (3.00)
- GEOG 475 Water Resource Management (3.00)
- GEOG 476 Indigenous and Environmental History of Americas since 1492 (3.00)
- GEOG 478 Climate Change: Science, Impacts and Policy (3.00)
- GEOG 479 Primate Behaviour, Ecology and Conservation (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Honours in Systems and Information Biology

Program Requirements

Honours in Systems and Information Biology (73 credits)

52 credits:

- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 322 Biostatistics (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 368 Genetics and Cell Biology Laboratory (3.00)
- BIOL 422 Advanced Statistics for Biological Sciences (3.00)
- BIOL 479 Computational Biology (3.00)
- BIOL 480 Bioinformatics (3.00)
- BIOL 481 Genome Structure (3.00)
- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 271 Biochemistry I (3.00)
- COMP 232 Mathematics for Computer Science (3.00)
- COMP 248 Object-Oriented Programming I (3.50)
- COMP 249 Object-Oriented Programming II (3.50)
- COMP 352 Data Structures and Algorithms (3.00)
- ENCS 333 Research Methods, Ethics, Law and Regulation for Computational Biology (3.00)

6 credits chosen from:

- BIOL 490 Independent Study (6.00)
- BIOL 493 Computational Biology Team Project (6.00)

15 credits chosen from:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)

or any credits chosen from Biology courses at the 300/400 level, with a minimum of nine credits at the 400 level, or courses selected from the Chemistry Courses for Biology Programs list, or from the List of Available and Approved COMP/COEN Courses with a minimum of nine credits at the 400 level

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Admission, retention, and graduation in an honours program requires that the student has a cumulative and last assessment GPA of at least 3.30 with no grade below C.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Systems and Information Biology

Program Requirements

Specialization in Systems and Information Biology (61 credits)

46 credits:

- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 322 Biostatistics (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 479 Computational Biology (3.00)
- BIOL 480 Bioinformatics (3.00)
- BIOL 481 Genome Structure (3.00)
- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 271 Biochemistry I (3.00)
- COMP 232 Mathematics for Computer Science (3.00)
- COMP 248 Object-Oriented Programming I (3.50)
- COMP 249 Object-Oriented Programming II (3.50)
- COMP 352 Data Structures and Algorithms (3.00)
- ENCS 333 Research Methods, Ethics, Law and Regulation for Computational Biology (3.00)

15 credits chosen from the following courses, or any credits chosen from Biology courses at the 300/400 level:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)

Note: Courses may also be selected from the List of Available and Approved COMP/COEN Courses with a minimum of nine credits at the 400 level which may include BIOL 490 or BIOL 493.

Notes

- Students are responsible for satisfying their particular degree requirements.

Systems and Information Biology Program Modules and Course Lists

List of Available and Approved COMP/COEN Courses

- COMP 335 Introduction to Theoretical Computer Science (3.00)
- COMP 339 Combinatorics (3.00)
- COMP 348 Principles of Programming Languages (3.00)
- COMP 353 Databases (4.00)
- COMP 472 Artificial Intelligence (4.00)
- COMP 478 Image Processing (4.00)
- COEN 432 Applied Machine Learning and Evolutionary Algorithms (3.00)
- COEN 433 Biological Computing and Synthetic Biology (3.00)
- COEN 434 Microfluidic Devices for Synthetic Biology (3.00)

Biology Course Groups

Chemistry Courses for Biology Programs

In addition to BIOL courses at the 300 and 400 levels, students may also choose from the following CHEM courses:

- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)
- CHEM 222 Introductory Organic Chemistry II (3.00)
- CHEM 326 Natural Products (3.00)
- CHEM 335 Biophysical Chemistry (3.00)
- CHEM 375 Biochemistry II (3.00)
- CHEM 425 Nucleic Acid Chemistry (3.00)
- CHEM 470 Environmental Biochemistry (3.00)
- CHEM 471 Enzyme Kinetics and Mechanism (3.00)
- CHEM 472 Chemical Toxicology (3.00)
- CHEM 475 Protein Engineering and Design (3.00)
- CHEM 476 Structure and Function of Biomembranes (3.00)
- CHEM 477 Advanced Laboratory in Biochemistry (3.00)
- CHEM 481 Bioinorganic Chemistry (3.00)

Note: CHEM 498 may be included if the topic is approved by formal student request through the Biology departmental advisor.

Biology Co-operative Program

The Co-op Program

The Biology co-operative program is offered to students who are enrolled in the BSc Honours or Specialization in Biology; Cell and Molecular Biology; Ecology; Environmental and Sustainability Science; and Systems and Information Biology. Students interested in applying for the Biology co-op should refer to Institute for Co-operative Education where a full description of the admission requirements is provided.

Academic content is identical to that of the regular program, but study terms are interspersed with three work terms.

Students are supervised personally and must meet the requirements specified by the Faculty of Arts and Science and the Institute for Co-operative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers and the Institute for Co-operative Education is provided by the Biology co-op committee, which includes the student's advisors.

Please refer to Institute for Co-operative Education for additional information.

Department of Biology Courses

Notes

A student may be exempted from one or more of the introductory courses, on the basis of work done at the Cegep level. Where exemptions are given, replacement courses must be chosen with the approval of a department advisor. In the case of certain programs approved by the Ordre des chimistes du Québec, the courses must be replaced with an equivalent number of credits in the same subdiscipline as the exemptions.

Students who have successfully completed the Cegep equivalent for CHEM 205, CHEM 206, CHEM 221 and/or CHEM 222 should verify on their Concordia student record that they have received an exemption. Similarly, students who have successfully completed the equivalent course(s) at another university should verify on their Concordia student record that they have received credit or exemption as appropriate for this course. If not, they should see the departmental advisor.

BIOL 200 Fundamentals of Human Biology (3 credits)

Description:

A series of lectures, demonstrations, and seminars to provide non-biologists with a general survey of the fundamental principles of life, with special emphasis on the structures and functions of human beings.

Component(s):

"Lecture"

Notes:

- Students registered in a Biology or Biochemistry program may not take this course for credit.
- Students who have completed Cegep Biology 921/931 may not take this course for credit.

BIOL 201 Introductory Biology (3 credits)

Description:

Fundamentals of plant and animal biology: basic physics and chemistry of life; cell and tissue structures and functions; anatomy and physiology of human systems; survey of plant and animal taxonomy, ecology, heredity, and evolution.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students entering BIOL programs without Cegep Biology 301 or equivalent must take this course, but not for program credit.
- Students with Cegep Biology 301 or equivalent may not take this course for credit.

BIOL 202 General Biology (3 credits)

Description:

This course presents the fundamentals of biology including the basic physics and chemistry of life, the structure and functions of cell and tissues, and aspects of anatomy, physiology, taxonomy, heredity and evolution, with examples ranging from micro-organisms to humans.

Component(s):

"Lecture"

Notes:

- Students enrolled in BSc programs may not take this course for credit.
- Students with Cegep Biology 301, 101NYA or BIOL 201 may not take this course for credit.

BIOL 203 Fundamental Nutrition (3 credits)

Description:

This course deals with food composition (carbohydrates, lipids, proteins, vitamins, and minerals), its absorption and utilization, energy balance, special diets, and food technology.

Component(s):

"Lecture"

Notes:

- Students registered in a Biology or Biochemistry program may not take this course for credit.

BIOL 205 Introduction to Sustainability (3 credits)

(also listed as LOYC 205)

Description:

This course begins with an introduction to the science of ecology and to the concept of sustainability as an ecological principle. The concept of sustainability is then broadened to include humans, as students are introduced to ethics, economics, and resource management from an eco-centric point of view. Students are encouraged to think critically about current environmental problems and to take action on an individual project.

Component(s):

"Lecture"

Notes:

- Students registered in a Biology program may not take this course for program credit.
- Students who have received credit for BIOL 208, LOYC 205 or for this topic under a BIOL 298 number may not take this course for credit.

BIOL 206 Elementary Genetics (3 credits)

Description:

A survey of classical and contemporary developments in the study of heredity, with particular attention to human examples. This course is open to the general student body.

Component(s):

"Lecture"

Notes:

- Students transferring into a Biology program may retain degree credit for this course.
- Students who have received credit for BIOL 261 may not take this course for credit.

BIOL 225 Form and Function of Organisms (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: Cegep Biology 301 or 101NYA or BIOL 201.

Description:

An introduction to plant and animal form and function is presented. This course provides an overview of basic physiological and morphological aspects of plants and animals that allow survival and reproduction. Topics in animal biology include animal architecture, internal fluids, homeostasis, digestion and nutrition, nervous and chemical coordination; topics in plant biology include plant organization, photosynthesis, respiration, water relations, and growth regulation. Reproduction and development of both plants and animals are introduced.

Component(s):

"Lecture"

BIOL 226 Biodiversity and Ecology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: Cegep Biology 301 or 101NYA or BIOL 201.

Description:

This course introduces the evolution, biodiversity, and ecology of organisms. The origin and diversity of life, from prokaryotes, through simple eukaryotes to multi-cellular organisms are introduced. Natural selection, speciation, and phylogeny, stressing evolutionary relationships in conjunction with changing conditions on earth, are presented. The course introduces major concepts in ecology: the physical and chemical environment, population structure, life histories, species interactions, communities, and ecosystems.

Component(s):

"Lecture"

BIOL 227 Laboratory Studies in Biodiversity (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 225. The following course must be completed previously or concurrently: BIOL 226.

Description:

This course reviews the diversity of organisms and introduces methods used in their study. The tutorials focus on key evolutionary mechanisms associated with organism diversity, model organisms that illustrate it and phylogenies that integrate diversity. The laboratory exercises are in basic protocols and may include bacterial classification; the structural diversity of protists; reproductive diversity among fungi; invertebrate internal morphology and behaviour; arthropod and mollusk classification; exercises in vertebrate homology; and studies on plant structure, development and physiology.

Component(s):

"Lecture"; "Laboratory"

BIOL 261 Molecular and General Genetics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: Cegep Biology 301 or 101NYA or BIOL 201; 202 NYA or CHEM 205; 202NYB or CHEM 206.

Description:

Basic genetic principles, including mechanisms of meiosis and mitosis, Mendelian genetics, recombination, gene mapping, and chromosome rearrangements; an introduction to molecular genetics, including nucleic acid structure and biosynthesis transcription and translation; the course also includes an introduction to recombinant DNA technology and to concepts of population genetics.

Component(s):

"Lecture"; "Tutorial"

BIOL 266 Cell Biology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: Cegep Biology 301 or 101NYA or BIOL 201; 202NYA or CHEM 205; 202NYB or CHEM 206.

Description:

Structure and functions of the cell and its organelles: cytoskeleton, chromosomes, cell cycle and cell division, organelle biogenesis, molecular motors, trafficking of proteins and membranes, signal transduction, trans-membrane transport, cancer, apoptosis.

Component(s):

"Lecture"; "Tutorial"

BIOL 298 Selected Topics in Biology (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

BIOL 321 Evolution (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 225, BIOL 226.

Description:

Through readings, discussions, and lectures, students explore the evidence for evolution, as well as current theories for the mechanisms that cause evolutionary change. Topics covered include principles of inheritance and variation, adaptation through natural selection, random processes in evolution, and the role of molecular and macroevolutionary processes in shaping current patterns of biodiversity.

Component(s):

"Lecture"; "Tutorial"

BIOL 322 Biostatistics (3 credits)

Prerequisite/Corequisite:

Students must have completed nine BIOL credits in a Biology major, honours, or specialization program; or must be enrolled in a BSc Environmental and Sustainability Science program. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines statistical methods for the biological sciences; experimental design; data description; binomial, Poisson and Normal distributions; statistical inference; hypothesis testing; chi-square; one and two sample tests of the mean; analysis of variance including 2-way and nested ANOVAs; correlation; regression; and analogous non-parametric techniques.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for COMM 215, ECON 222, GEOG 362, MAST 333, PSYC 316, SOCI 213 or STAT 250 may not take this course for credit.

BIOL 330 Vertebrate Biology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 225, BIOL 226.

Description:

This course explores how the anatomy, physiology, life history, ecology and behaviour of vertebrates interact to generate animals that function effectively in their environments, and how different vertebrate groups have evolved over the past few hundred million years. Major vertebrate groups discussed are cartilaginous fishes, bony fishes, amphibians, reptiles, birds

and mammals. Other special topics on vertebrate biology considered include the role of ecology in vertebrate speciation, vertebrate adaptations to extreme environments, seasonal migrations, human evolution, as well as conservation issues facing different vertebrate groups worldwide.

Component(s):

"Lecture"

Notes:

- Students who have received credit for BIOL 387 may not take this course for credit.

BIOL 337 Invertebrate Biology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 225, BIOL 226, BIOL 227.

Description:

This course surveys the diversity of invertebrates and their functional systems, emphasizing the basic themes that define each phylum and those that are common to all animals. The course focuses on evolution, life histories, physiology, and anatomy of the major phyla and the diversity of the minor phyla.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for this topic under a BIOL 398 number may not take this course for credit.

BIOL 340 Plant Biology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 225, BIOL 226.

Description:

This course surveys the biology of the plant kingdom. Topics include the evolution of the major groups and a comparative analysis of the form (anatomy), function (physiology), and life history of plants. Examples from the local flora are emphasized.

Component(s):

"Lecture"; "Laboratory"

BIOL 350 The Ecology of Individuals (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 225, BIOL 226.

Description:

This course is designed to introduce students to the diversity of adaptations possessed by individuals which enables them to interact successfully with the abiotic and biotic environment. Major topics include responses to temperature, water, gas exchange, light, and other species. In addition, sensory ecology and escape in time and space are covered. Physiological adaptations are emphasized.

Component(s):

"Lecture"

BIOL 351 Basic Population Ecology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 226.

Description:

This course introduces the processes which determine the distribution and abundance of individuals in populations. Population growth, density-dependent and density-independent population regulation, survivorship, life history parameters, the population dynamics of competition, predation and parasitism, and the roles of predation and competition in affecting community structure are discussed.

Component(s):

"Lecture"; "Laboratory"

BIOL 353 Communities and Ecosystems (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 225, BIOL 226.

Description:

This course presents an introduction to biological communities, the processes that maintain them and their emergent properties. Topics include the interactions between abiotic and biotic factors in determining community composition, the concepts of niche and habitat, succession theory, community diversity and stability, energy flow and nutrient cycling. Examples emphasize both aquatic and terrestrial ecosystems, and the major global biomes.

Component(s):

"Lecture"

BIOL 354 Behavioural Ecology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 226.

Description:

Behavioural ecology is the study of behavioural adaptation. The topics include foraging, anti-predator, fighting, mating, reproductive and social behaviour. Students are introduced to optimality and game theories.

Component(s):

"Lecture"; "Tutorial"

BIOL 364 Cell Physiology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 266; CHEM 271.

Description:

This course covers general and specialized processes at the molecular and cellular level in eukaryotes and prokaryotes; protein folding and degradation, signalling by nerves, bioenergetics (respiration and photosynthesis), cell motility, muscle contraction, eukaryotic cilia and flagella, sensory perception, and fundamental immunology.

Component(s):

"Lecture"

BIOL 366 Mechanisms of Development (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 261, BIOL 266.

Description:

This course explores the mechanisms of cellular interactions and genetic control that govern cell differentiation and development in a range of organisms, from simple model systems to mammals. Specific questions address how cell movement and cell recognition take place, how the genome is restricted in differentiation, how cytoplasmic signals influence differentiation, how gradients affect development, how genes control segmentation, and how growth factors and hormones influence development. The role of genetic engineering in the understanding of developmental processes is discussed. The course is based on gaining an understanding of the basic concepts, mechanisms, and experimental tools used in developmental research.

Component(s):

"Lecture"

BIOL 367 Molecular Biology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 261; CHEM 271.

Description:

This course examines DNA structure, recombinant DNA methodologies, gene structure, transcriptional and post-transcriptional regulation, RNA processing events, translation, chromatin modification, chromatin remodelling and DNA replication. The experimental evidence supporting these concepts is also discussed.

Component(s):

"Lecture"; "Tutorial"

BIOL 368 Genetics and Cell Biology Laboratory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 261, BIOL 266; CHEM 212 or CHEM 217 or BIOL 227.

Description:

This course introduces students to the basic laboratory techniques of cell biology, microbiology, bacterial genetics, and molecular biology. Experiments include cell membrane functions in red blood cells, bacterial identification, mutagenesis, genetic transformation, gene mapping, DNA isolation and recombinant DNA techniques. Through tutorials, students learn the theory behind techniques and their use in research. Special focus is placed on lab manipulation skill, data organization, and data interpretation.

Component(s):

"Lecture"; "Laboratory"

BIOL 371 Microbiology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: six credits chosen from BIOL 226, BIOL 261, CHEM 271. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an in-depth study of the structure and function of microbes. It emphasizes the genetic and biochemical characteristics of microbes which distinguish them from plants and animals. Consideration is also given to the impact of microbes on the global environment and on the quality of human life.

Component(s):

"Lecture"

BIOL 380 Nutrition (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 221, CHEM 271.

Description:

The concept of a balanced diet is studied in relation to caloric content and to protein, lipid, carbohydrate, vitamin, and mineral requirements. The consequences of dietary deficiencies are examined. Special topics such as dieting, organic foods, vitamins, food additives, and toxins are discussed.

Component(s):

"Lecture"

BIOL 382 Comparative Animal Physiology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 225, BIOL 226, BIOL 266.

Description:

This course offers a comparative analysis of physiological processes across diverse animal groups at the cellular and systems levels. Topics include endocrinology, muscle contraction, sensory integration, nervous systems, respiration, digestion, and circulation.

Component(s):

"Lecture"; "Laboratory"

BIOL 385 Entomology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 225. The following courses must be completed previously or concurrently: BIOL 226. It is recommended that students complete BIOL 227 previously or concurrently.

Description:

This course introduces the student to the variety and complexity of insect life. Basic classification is followed by a more detailed study of morphology and anatomy, together with some physiological considerations. Other topics such as adaptations for aquatic life and social behaviour are discussed. Laboratories include the identification of insects collected by students, as well as structured laboratory sessions which complement the lectures.

Component(s):

"Lecture"; "Laboratory"

BIOL 398 Intermediate Topics in Biology (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

BIOL 421 Philosophical Foundations of Biology (3 credits)

(also listed as PHIL 441)

Prerequisite/Corequisite:

Students must be within 45 credits of graduating with a BSc in a Department of Biology honours, specialization or major program.

Description:

This course helps students critically engage biology's philosophical foundations. Topics typically include the nature of scientific reasoning, testing, and evidence in biology; how best to discover, define, and apply biological concepts; and how

to structure the aims of biology to fit our diverse and changing societies.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PHIL 441 may not take this course for credit.

BIOL 422 Advanced Statistics for Biological Sciences (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 322. Students must be within 45 credits of graduating with a BSc in a Department of Biology honours or specialization.

Description:

This course presents, explains and provides practice with modern statistical tools applied to biological sciences for data exploration and hypotheses testing. The course provides students with the theoretical and practical knowledge to decide which techniques are best suited for particular biological problems, to report statistical results in an effective manner, and to apply their understanding to new biological questions. Examples and applications are drawn from a wide range of biological fields including ecology, epidemiology, genetics, molecular biology and genomics.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for this topic under a BIOL 498 number may not take this course for credit.

BIOL 423 Scientific Communication (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: BIOL 490. Permission of the Department is required.

Description:

This course is designed to help students improve the clarity, fluency and accuracy of their written and oral scientific work. The course assignments and lessons are designed to develop and improve the following scientific communication skills: (i) research paper writing; (ii) oral presentations; (iii) scientific posters; and (iv) scientific communications to lay persons.

Component(s):

"Lecture"

Notes:

- This is primarily a graduate course with a limited number of places for undergraduate students depending upon availability.
- Students who have received credit for this topic under a BIOL 498 number may not take this course for credit.

BIOL 443 Plant Molecular Genetics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 367.

Description:

This course covers a survey of specialized topics in plant molecular genetics including plant disease resistance, flower induction, signal transduction, bioinformatics and genetically modified organisms (GMOs) which have strongly influenced plant improvement in modern agriculture through genetic engineering.

Component(s):

"Lecture"

BIOL 450 Techniques in Ecology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 227, BIOL 322 or equivalent, and a minimum of six credits from BIOL 321, BIOL 350, BIOL 351, BIOL 353, BIOL 354.

Description:

This course introduces students to a variety of techniques of experimental design, data collection, and quantitative analysis. Students participate in a series of modules, each of which presents experimental and analytical techniques appropriate for one area of modern research in ecology, behaviour, or evolution. Some modules require students to collect and subsequently analyze original data from field or laboratory settings. Modules and their contents may vary from year to year.

Component(s):

"Tutorial"; "Laboratory"

BIOL 451 Field Ecology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 322 or equivalent, and BIOL 353.

Description:

This course is designed to give students practical experience working with field-based community ecology. It involves one or two weeks of fieldwork in a research station (mandatory sleepover), followed by weekly meetings during the fall term. Students learn about sampling methods, experimental design, and statistical tools with the aim of estimating and comparing patterns of biological diversity. Students design and implement their own short study in the field. In the weekly meetings, students process samples collected in the field, perform analysis, present their results in the form of oral presentation as well as written assignment. Students reside in a field station during the field-based portion of the course. They are expected to cover the cost of room and board, and other necessary fees. The location and cost of the fieldwork may change from year to year. Interested students must contact the instructor to obtain detailed information.

Component(s):

"Tutorial"

BIOL 452 Population and Conservation Genetics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 261; and three credits chosen from BIOL 321, BIOL 351, BIOL 353, BIOL 367.

Description:

Conservation genetics employ the principles of population genetics and systematics to address problems related to conservation of biodiversity. This course examines the main factors that affect genetic variation within and among populations, including natural selection, random genetic drift, mutation and gene flow. The impact of human activities on levels and patterns of genetic variation in both plant and animal communities is discussed. The utility of molecular markers in determining conservation units is examined. Several case studies from the current literature are used to illustrate the many applications of modern molecular techniques in conservation genetics. The course comprises lectures, student presentations, and use of software in genetic data analysis.

Component(s):

"Lecture"

BIOL 457 Conservation Biology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: A minimum of nine credits chosen from BIOL 321, BIOL 350, BIOL 351, BIOL 353, BIOL 354.

Description:

This course introduces students to the scientific principles of conservation biology, an interdisciplinary science which aims at identifying and managing environmental problems. Topics may include pollution, climate change, farming, renewable resources, designing nature reserves and conserving biodiversity. Course assignments emphasize effective scientific communication, collaboration and problem-solving skills.

Component(s):

"Lecture"; "Tutorial"

BIOL 459 Aquatic Ecology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 322 or equivalent, BIOL 353.

Description:

The course begins with the molecular structure of water and its relationship to life in aquatic ecosystems. Lectures deal with primary and secondary production in streams, lakes, oceans and estuaries. The role of fish in aquatic communities is introduced in the second half of the course and is the subject of a field trip.

Component(s):

"Lecture"; "Laboratory"; "Field Studies"

BIOL 461 Advanced Genetics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 367.

Description:

Through lectures and directed readings in classical and contemporary genetics, students are exposed to research literature and problems in this area. Students probe in greater depth areas of particular interest in order to develop a critical sense and deepen an understanding of past and current work in this field.

Component(s):

"Lecture"

BIOL 462 Immunology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 266, BIOL 364, BIOL 367.

Description:

The role of the immune system in maintenance of body homeostasis is presented with particular reference to cells and tissues of the immune system, their organization as well as their structural and functional relationships. Topics include: maturation and differentiation of B and T lymphocytes; structure and properties of antibodies; immune responses to antigens; genetic aspects of anti-body synthesis; immunological considerations in AIDS, cancer, and autoimmune diseases.

Component(s):

"Lecture"

BIOL 463 Comparative Genomics and Genome Evolution (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 367.

Description:

This course covers modern comparative genomics including the nature and scope of the various genome projects, gene discovery and data mining, molecular phylogenies, origin of the eukaryotic cell, evolution of gene regulatory networks, concerted evolution, and haplotype mapping.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a BIOL 498 number may not take this course for credit.

BIOL 466 Advanced Techniques in Molecular Biology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 367, BIOL 368.

Description:

This course covers the theory and practice of modern experimental procedures in molecular biology, including use of restriction enzymes, gene cloning and hybridizations, DNA sequencing, site-directed mutagenesis, RT-PCR, and yeast two-hybrid analysis.

Component(s):

"Lecture"; "Laboratory"

BIOL 467 Advanced Cell Biology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 266, BIOL 364.

Description:

This course examines selected topics in cell and molecular biology including the growth and division of differentiated and non-differentiated eukaryotic cells. The focus is on the control of cell cycling under normal and abnormal states, such as cancer and viral infection.

Component(s):

"Lecture"

Notes:

- Students who have received credit for BIOL 464 or this topic under a BIOL 498 number may not take this course for credit.

BIOL 468 Gene Structure (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 367.

Description:

This course covers fundamental principles and essential concepts underlying the present understanding of gene expression in eukaryotes. Topics may include the role of RNA transcription, RNA localization, RNA transport and microRNAs in eukaryotic gene regulation; the role of DNA methylation, alternative splicing, the histone code and chromatin remodelling in genomic imprinting and epigenetics; and large scale approaches to understanding gene expression such as high throughput sequencing methods, genome wide profiling of mRNA expression, proteomics, and CHIP and CHIP-CHIP analysis.

Component(s):

"Lecture"

BIOL 472 Virology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 266, BIOL 367.

Description:

The life cycles of viruses are discussed with emphasis on the molecular basis of their entry into, reproduction in, and exit from host cells. These life cycles are related to the pathogenicity of different groups of viruses to provide an understanding of the variety of viral diseases.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a BIOL 498 number may not take this course for credit.

BIOL 473 Environmental Microbiology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 371 or BIOL 353.

Description:

This course surveys microbial diversity and ecophysiology with emphasis on how the activities and interactions of individual organisms influence Earth systems at the ecosystem scale. Topics may include the origin and evolution of the biosphere, microbial interactions and ecosystems, nutrient cycling, molecular and genomic methods in environmental microbiology, microbial associations with plants and animals, and the application of microorganisms to environmental sustainability and bioremediation, human welfare, health, and biotechnology.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a BIOL 498 number may not take this course for credit.

BIOL 474 Cellular Neuroscience (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 364.

Description:

This course familiarizes students with current theory and research in cellular neuroscience through student presentations and discussions of original scientific literature. Topics include neural circuitry, brain genomics, neuronal structure, synaptic plasticity, neurotransmission, and molecular basis of neurological disease.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a BIOL 498 number may not take this course for credit.

BIOL 475 Biological Computing and Synthetic Biology (3 credits)

(also listed as COEN 433)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 367.

Description:

This is an interdisciplinary course offered to students who are either in Biology or Electrical and Computer Engineering programs. Students are introduced to the emerging field of synthetic biology and learn to design computational machines that can be implemented in biological media. The term is divided into two phases. In Phase I, Biology students learn basic computer hardware and software concepts, while Engineering students are introduced to gene structure and recombinant DNA technology. In Phase II, all students learn the principles and various applications of cell-based computational machines. Students work in teams to create a project proposal to describe the design of a computational machine using gene regulatory networks.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COEN 433 or for this topic under a BIOL 498 number may not take this course for credit.

BIOL 476 Microfluidic Devices for Synthetic Biology (3 credits)

(also listed as COEN 434)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 367.

Description:

Students are introduced to microfluidic components (pumps, valves, automation), programming microfluidics, paradigms, and applications for chemical and biological analysis. Introduction to synthetic biology; biological parts and their properties, network structure and pathway engineering, synthetic networks, manipulating DNA and measuring responses, basic behaviour of genetic circuits, building complex genetic networks; integration of microfluidics and synthetic biology; economic implications.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for COEN 434 or for this topic under a BIOL 498 number may not take this course for credit.

BIOL 479 Computational Biology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 261; COMP 352.

Description:

In this course, students are introduced to the fundamental computational and statistical techniques used to address problems from biology and the life sciences. Students are introduced to dynamic programming for pairwise and multiple sequence alignment, enrichment statistics for biological pathway analysis, statistical classification for predicting clinical end-points including patient prognosis in breast cancer, Hidden Markov Models (HMM) used to predict the locations of genes in a genome, and probabilistic models for detecting mutations in next generation sequencing data. The lectures are supplemented by programming and analytic exercises to implement these statistical and computational frameworks.

Component(s):

"Lecture"

BIOL 480 Bioinformatics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 367. Students must be within 30 credits of graduating with a BSc in a Department of Biology honours or specialization program. Permission of the Department is required.

Description:

This course provides students from Biology with instruction in the basic techniques of bioinformatics, computational biology and biological data science. There are three major goals. The first goal is to introduce common bioinformatic software, databases and tools for analyzing molecular data. The second is to provide students with methods from computational biology to test hypotheses using programming techniques. The third is to provide an introduction to methods from data science for exploring large biological data sets using visualization, statistics and machine learning.

Component(s):

"Lecture"; "Laboratory"

Notes:

- This is primarily a graduate course with a limited number of places for undergraduate students depending upon availability.

BIOL 481 Genome Structure (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 367. Permission of the Department is required.

Description:

This course provides an overview of genome analysis including cloning systems; sequencing strategies; methods of detecting genes and approaches to mapping genomes. It covers the theory and design of the different approaches, and the analysis of genomic data generated from them.

Component(s):

"Lecture"

Notes:

- This is primarily a graduate course with a limited number of places for undergraduate students depending upon availability.

BIOL 482 Functional Genomics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BIOL 367. Permission of the Department is required.

Description:

This course focuses on the functional analysis of expressed genes and their products. Course content includes transcription profiling using microarrays and RNA-Seq, systematic identification of proteins using mass spectrometry, functional analysis by gene knock-outs, localization of gene products by gene knock-ins, recombinant protein synthesis and protein-protein interactions using affinity co-purification and protein complementation assays.

Component(s):

"Lecture"

Notes:

- This is primarily a graduate course with a limited number of places for undergraduate students depending upon availability.

BIOL 484 Industrial and Environmental Biotechnology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously BIOL 367. Permission of the Department is required.

Description:

This course provides an in-depth evaluation of current biotechnology tools used in pharmaceutical and forestry industries, and in environmental remediation. New technologies and genomic approaches that can be applied to these processes are also discussed.

Component(s):

"Lecture"

Notes:

- This is primarily a graduate course with a limited number of places for undergraduate students depending upon availability.

BIOL 485 Agriculture and Agri-Food Biotechnology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously BIOL 367. Permission of the Department is required.

Description:

This course provides an overview on the use of biotechnology in agriculture and in the agri-food industry. Plant genomics and genetic manipulation of plants are emphasized. Also discussed are biotechnology methods used in reducing agricultural pollutants and converting agricultural surplus to energy.

Component(s):

"Lecture"

Notes:

- This is primarily a graduate course with a limited number of places for undergraduate students depending upon availability.

BIOL 486 High-throughput Instrumentation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously BIOL 367. Permission of the Department is required.

Description:

This course provides an in-depth look at high-throughput instruments used in biotechnology and genomics. Students are exposed to technologies such as massively parallel sequencing, high-throughput genotyping, construction of DNA microarrays, proteomics, robotics platform, mass spectrometry, fluorescence-activated cell sorting, chemical screening, microfluidics, surface plasmon resonance, protein microarrays.

Component(s):

"Lecture"

Notes:

- This is primarily a graduate course with a limited number of places for undergraduate students depending upon availability.

BIOL 487 Capstone Seminar in Environmental Science (3 credits)

(also listed as CHEM 487 and GEOG 487)

Prerequisite/Corequisite:

Completion of the core courses of the BSc Environmental and Sustainability Science is required prior to enrolling.

Description:

The course is designed to integrate the knowledge from several courses and provide students an opportunity to apply this knowledge to a current issue in environmental sciences through experiential learning. Students work in small groups made up from participants of all streams and critically evaluate an environmental issue using the expertise of all participants. Examples could be the reclamation of a former mining site, plans for expansion of a landfill or plans for a new water treatment plant. Aspects evaluated include, but are not limited to, land use, impact on vegetation and biota, availability of critical chemical data (e.g. trace metals, water/runoff quality, and impact on the local population). The result is a detailed environmental assessment report prepared by students.

Component(s):

"Seminar"

Notes:

- Students who have received credit for CHEM 487 or GEOG 487 may not take this course for credit.

BIOL 490 Independent Study (6 credits)

Prerequisite/Corequisite:

Students must be within 30 credits of graduating with a BSc in a Department of Biology honours or specialization program. Permission of the Department is required.

Description:

In this course, the student undertakes a special research project selected in consultation with, and conducted under, the supervision of a faculty member of the Department. The project is intended to develop the student's knowledge of standard scientific procedures, including methods of researching scientific literature, the planning and execution of experimental and analytical procedures, the writing of a formal report, and the presentation of a seminar on the project.

Component(s):

"Lecture"

Notes:

- Work in this course must be carried out over two consecutive terms: either the summer session and fall term or fall term and winter term.

BIOL 493 Computational Biology Team Project (6 credits)

(also listed as COMP 493)

Prerequisite/Corequisite:

The following courses must be completed prior to enrolling: BIOL 367; COMP 352. Students must complete a minimum of 54 credits in the Honours or Specialization in Systems and Information Biology programs prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Students form teams or join existing teams (such as those in research labs) and work under faculty supervision to solve a computational biology research problem or to carry out a computational biology research project. The research problem or project involves the utilization of knowledge of biology and of computing, involves computing lab and/or wet lab practice and contributes to any of the areas of computational biology. The project fosters teamwork and allows students to develop their project management, technical writing and oral presentation skills.

Notes:

- Students who have received credit for COMP 493 may not take this course for credit.

BIOL 498 Advanced Topics in Biology (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.050 Department of Chemistry and Biochemistry

Department of Chemistry and Biochemistry

Chemistry and Biochemistry Programs

- Chemistry and Biochemistry Program Notes

Biochemistry

- BSc Honours in Biochemistry
- BSc Specialization in Biochemistry
- BSc Major in Biochemistry
- Core Component for Biochemistry

Chemistry

- BSc Honours in Chemistry
- BSc Specialization in Chemistry
- BSc Major in Chemistry
- Minor in Chemistry
- Core Component for Chemistry

Environmental and Sustainability Science

- BSc Honours in Environmental and Sustainability Science
- BSc Specialization in Environmental and Sustainability Science

Chemistry and Biochemistry Co-operative Program

Department of Chemistry and Biochemistry Courses

Department of Chemistry and Biochemistry

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/chemistry.html

Department Objectives

Chemistry is the science that examines the structure of substances and the reactions to produce novel and useful products. Biochemistry is that part of chemistry which deals with chemical changes occurring in biologically relevant systems; i.e. changes taking place in living cells that are responsible for life processes.

The mission of the Department is fourfold: (i) excellence in teaching and research in the fields of chemistry and biochemistry; (ii) develop and maintain strong undergraduate and graduate teaching programs; (iii) develop and maintain state-of-the-art quality research; and (iv) meet the high standards of the scientific and industrial communities. The Department's programs have strengths in both the applied and theoretical fields.

The Department is also participating in the Kaié:ri Nikawerá:ke Indigenous Bridging Program for BSc Chemistry and Biochemistry students. This program offers alternative entry to eligible Indigenous students, specifically from First Nations, Métis and Inuit communities located in Canada, whose academic path is non-traditional. Students who successfully complete this bridging program will be able to transition to the BSc program of their choice within the Department of Chemistry and Biochemistry. For admissions criteria, please consult the following pages:

- Kaié:ri Nikawerá:ke Indigenous Bridging Program under Section 14 Alternative Entry
- Kaié:ri Nikawerá:ke Indigenous Bridging Program for General BSc, Chemistry Stream, under Section 31.002 Programs and Admission Requirements

Please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program website for more information:

concordia.ca/students/new/indigenous-bridging-program

Chemistry and Biochemistry Program Notes

- TheDepartmenthelpsstudentstoensurethattheyadheretotheacademiccodeofconductwhiletakingtheDepartment'scourses.
- Attendanceata45-minuteseminaronacademicintegrityisrequiredofallstudentsregisteredinanydepartmentcourse.Theseminaris offered several times near the beginning of eachterm.
- The Ordre des chimistes du Québec (OCQ) has fully accredited the curricula of i) Honours in Chemistry; ii) Honours in Biochemistry; iii) Specialization in Biochemistry; iv) Specialization in Chemistry.Upon satisfactory completion of any of the above-mentioned programs, a graduate is eligible for membership in the OCQ. A working knowledge of French is required.
- Students should note that CHEM 450 has a performance prerequisite and is essential for honours programs. CHEM 419has a performance prerequisite for the specialization programs. Students who cannot meet these prerequisites will not be able to complete the programs but may complete a major. For more details, students should consult with the Department.
- Coursesthatconsistofbothlaboratoriesandlecturesrequirethatasatisfactoryperformancebeobtainedineachofthecomponents for successful completion of thecourse.

BSc Honours in Biochemistry

Program Requirements

Honours in Biochemistry (72 credits)

45 credits from the Core Component for Biochemistry

3 credits chosen from:

- CHEM 477 Advanced Laboratory in Biochemistry (3.00)
- BIOL 466 Advanced Techniques in Molecular Biology (3.00)

18 credits chosen from:

- CHEM 312 Intermediate Analytical Chemistry (3.00)
- CHEM 325 Organic Chemistry IV: Organic Structure and Stereochemistry (3.00)
- CHEM 335 Biophysical Chemistry (3.00)
- CHEM 450 Research Project and Thesis (6.00)
- BIOL 367 Molecular Biology (3.00)

6 credits of 400-level courses in the Biochemistry area chosen from:

- CHEM 470 Environmental Biochemistry (3.00)
- CHEM 471 Enzyme Kinetics and Mechanism (3.00)
- CHEM 472 Chemical Toxicology (3.00)
- CHEM 474 Chemical Ecology (3.00)
- CHEM 475 Protein Engineering and Design (3.00)
- CHEM 476 Structure and Function of Biomembranes (3.00)
- CHEM 481 Bioinorganic Chemistry (3.00)

Students may also choose CHEM 498 when appropriate.

Note: Three of these six credits may be replaced by a 400-level course in Chemistry or a 400-level course in Cell and Molecular Biology chosen from:

- BIOL 443 Plant Molecular Genetics (3.00)
- BIOL 461 Advanced Genetics (3.00)
- BIOL 462 Immunology (3.00)
- BIOL 463 Comparative Genomics and Genome Evolution (3.00)
- BIOL 467 Advanced Cell Biology (3.00)

- BIOL 468 Gene Structure (3.00)
- BIOL 472 Virology (3.00)

Students may also choose BIOL 498 when appropriate.

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Honours students in second year and beyond are encouraged to attend departmental seminars.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Biochemistry

Program Requirements

Specialization in Biochemistry (69 credits)

45 credits from the Core Component for Biochemistry

18 credits:

- CHEM 312 Intermediate Analytical Chemistry (3.00)
- CHEM 325 Organic Chemistry IV: Organic Structure and Stereochemistry (3.00)
- CHEM 335 Biophysical Chemistry (3.00)
- CHEM 477 Advanced Laboratory in Biochemistry (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 466 Advanced Techniques in Molecular Biology (3.00)

Note: CHEM 477 or BIOL 466 plus a nonbiochemistry program elective can be replaced by CHEM 419 or CHEM 450 for students with a GPA of 3.00 or better in Core program courses.

6 credits of 400-level courses in the Biochemistry area chosen from:

- CHEM 470 Environmental Biochemistry (3.00)
- CHEM 471 Enzyme Kinetics and Mechanism (3.00)
- CHEM 472 Chemical Toxicology (3.00)
- CHEM 474 Chemical Ecology (3.00)
- CHEM 475 Protein Engineering and Design (3.00)
- CHEM 476 Structure and Function of Biomembranes (3.00)
- CHEM 481 Bioinorganic Chemistry (3.00)

Students may also choose CHEM 498 when appropriate.

Three of these six credits may be replaced by a 400-level course in Chemistry or a 400-level course in Cell and Molecular Biology chosen from:

- BIOL 443 Plant Molecular Genetics (3.00)
- BIOL 461 Advanced Genetics (3.00)
- BIOL 462 Immunology (3.00)
- BIOL 463 Comparative Genomics and Genome Evolution (3.00)
- BIOL 467 Advanced Cell Biology (3.00)

- BIOL 468 Gene Structure (3.00)
- BIOL 472 Virology (3.00)

Students may also choose BIOL 498 when appropriate.

Notes

- Students in the specialization program must maintain a GPA of 2.00 or better in the core program, to be evaluated annually.
- Students are responsible for satisfying their particular degree requirements.

BSc Major in Biochemistry

Program Requirements

Major in Biochemistry (45 credits)

45 credits from the Core Component for Biochemistry

Notes

- Students are responsible for satisfying their particular degree requirements.

Core Component for Biochemistry

Core Component for Biochemistry (45 credits)

- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 364 Cell Physiology (3.00)
- BIOL 368 Genetics and Cell Biology Laboratory (3.00)
- CHEM 217 Introductory Analytical Chemistry I (3.00)
- CHEM 218 Introductory Analytical Chemistry II (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 222 Introductory Organic Chemistry II (3.00)
- CHEM 234 Physical Chemistry I: Thermodynamics (3.00)
- CHEM 235 Physical Chemistry II: Kinetics of Chemical Reactions (3.00)
- CHEM 241 Inorganic Chemistry I: Introduction to Periodicity and Valence Theory (3.00)
- CHEM 271 Biochemistry I (3.00)
- CHEM 293 Spectroscopy and Structure of Organic Compounds (3.00)
- CHEM 324 Organic Chemistry III: Organic Reactions (3.00)
- CHEM 375 Biochemistry II (3.00)

Note: For students entering with the Cegep equivalents to CHEM 221 and CHEM 222, these credits must be replaced with an equivalent number of other Organic Chemistry credits (for students in the Specialization in Biochemistry or Honours in Biochemistry) or with an equivalent number of credits in Chemistry or related disciplines, as approved by the departmental advisor (for students in the Major in Biochemistry).

BSc Honours in Chemistry

Program Requirements

Honours in Chemistry (60 credits)

45 credits from the Core Component for Chemistry

3 credits:

- CHEM 495 Advanced Molecular Characterization (3.00)

6 credits:

- CHEM 450 Research Project and Thesis (6.00)

6 credits of additional 400-level Chemistry courses

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Honours students in second year and beyond are encouraged to attend departmental seminars.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Chemistry

Program Requirements

Specialization in Chemistry (60 credits)

45 credits from the Core Component for Chemistry

3 credits:

- CHEM 495 Advanced Molecular Characterization (3.00)

6 credits:

- CHEM 419 Independent Study and Practicum (6.00)

With departmental permission students may also choose CHEM 450

6 credits of additional Chemistry courses at the 400 level

Notes

- Students in the specialization program must maintain a GPA of 2.00 or better in the core program, to be evaluated annually.
- Students are responsible for satisfying their particular degree requirements.

BSc Major in Chemistry

Program Requirements

Major in Chemistry (45 credits)

45 credits from the Core Component for Chemistry

Note: Substitution of courses from within the Core by other courses in Chemistry or related disciplines (Mathematics, Physics, Biology, Geology) up to a maximum of nine credits, will be accepted, if previously approved by a departmental program advisor. It is expected that such substitutions will be in accord with the overall program of study being followed by the student

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Chemistry

Program Requirements

Minor in Chemistry (24 credits)

24 credits chosen from the Department's offerings, with due regard to prerequisites, such that the courses chosen form a coherent pattern which complements the student's other areas of study. The course pattern chosen must have been previously approved by a departmental program advisor.

Notes

- Students are responsible for satisfying their particular degree requirements.

Core Component for Chemistry

Core Component for Chemistry (45 credits)

- CHEM 217 Introductory Analytical Chemistry I (3.00)
- CHEM 218 Introductory Analytical Chemistry II (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 222 Introductory Organic Chemistry II (3.00)
- CHEM 234 Physical Chemistry I: Thermodynamics (3.00)
- CHEM 235 Physical Chemistry II: Kinetics of Chemical Reactions (3.00)
- CHEM 241 Inorganic Chemistry I: Introduction to Periodicity and Valence Theory (3.00)
- CHEM 242 Inorganic Chemistry II: The Chemistry of the Main Group Elements (3.00)
- CHEM 271 Biochemistry I (3.00)
- CHEM 293 Spectroscopy and Structure of Organic Compounds (3.00)
- CHEM 312 Intermediate Analytical Chemistry (3.00)
- CHEM 324 Organic Chemistry III: Organic Reactions (3.00)
- CHEM 325 Organic Chemistry IV: Organic Structure and Stereochemistry (3.00)
- CHEM 333 Introduction to Quantum Theory (3.00)
- CHEM 341 Inorganic Chemistry III: The Transition Metals (3.00)

Note: For Cegep equivalents to CHEM 221 and CHEM 222, these courses must be replaced with an equivalent number of other Organic Chemistry credits.

BSc Honours in Environmental and Sustainability Science

Program Requirements

Honours in Environmental and Sustainability Science (69 credits)

33 credits from the Environmental and Sustainability Science Core (housed in Section 31.130 Department of Geography, Planning and Environment)

30 credits from the Environmental Chemistry Stream (Honours)

6 credits:

- CHEM 450 Research Project and Thesis (6.00)

Environmental Chemistry Stream (Honours) (30 credits)

3 credits:

- CHEM 312 Intermediate Analytical Chemistry (3.00)

3 credits chosen from:

- CHEM 218 Introductory Analytical Chemistry II (3.00)
- CHEM 234 Physical Chemistry I: Thermodynamics (3.00)
- CHEM 235 Physical Chemistry II: Kinetics of Chemical Reactions (3.00)

9 credits chosen from:

- BIOL 261 Molecular and General Genetics (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 222 Introductory Organic Chemistry II (3.00)
- CHEM 241 Inorganic Chemistry I: Introduction to Periodicity and Valence Theory (3.00)
- CHEM 271 Biochemistry I (3.00)
- GEOG 375 Hydrology (3.00)
- GEOG 378 The Climate System (3.00)

Note: A minimum of 6 credits must be chosen from CHEM courses.

6 credits chosen from:

- BIOL 367 Molecular Biology (3.00)
- CHEM 375 Biochemistry II (3.00)

- CIVI 361 Introduction to Environmental Engineering (3.50)
- GEOG 377 Landform Evolution (3.00)

Note: Environmental and Sustainability Science students missing the prerequisites for CIVI 361 may apply to have all or some of these waived by the Department of Building, Civil and Environmental Engineering.

9 credits chosen from:

- BIOL 459 Aquatic Ecology (3.00)
- CHEM 458 Aquatic Biogeochemistry (3.00)
- CHEM 470 Environmental Biochemistry (3.00)
- CHEM 472 Chemical Toxicology (3.00)

Students may also choose from following courses, when appropriate:

- CHEM 498 Advanced Topics in Chemistry (3.00)
- CIVI 467 Air Pollution and Emission Control (3.00)
- CIVI 468 Waste Management (3.00)
- CIVI 469 Geo-Environmental Engineering (3.50)
- GEOG 470 Environmental Management (3.00)
- GEOG 475 Water Resource Management (3.00)
- GEOG 476 Indigenous and Environmental History of Americas since 1492 (3.00)
- GEOG 478 Climate Change: Science, Impacts and Policy (3.00)
- GEOL 440 Seminar in Current Research on Environmental Earth Science (3.00)

Note: Environmental and Sustainability Science students missing the prerequisites for CIVI 467, CIVI 468, or CIVI 469 may apply to have all or some of these waived by the Department of Building, Civil and Environmental Engineering.

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Honours students in second year and beyond are encouraged to attend departmental seminars.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Environmental and Sustainability Science

Program Requirements

Specialization in Environmental and Sustainability Science (63 credits)

33 credits from the Environmental and Sustainability Science Core (housed in Section 31.130 Department of Geography, Planning and Environment)

30 credits from the Environmental Chemistry Stream

Environmental Chemistry Stream (Specialization) (30 credits)

3 credits:

- CHEM 312 Intermediate Analytical Chemistry (3.00)

3 credits chosen from:

- CHEM 218 Introductory Analytical Chemistry II (3.00)
- CHEM 234 Physical Chemistry I: Thermodynamics (3.00)
- CHEM 235 Physical Chemistry II: Kinetics of Chemical Reactions (3.00)

9 credits chosen from:

- BIOL 261 Molecular and General Genetics (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 222 Introductory Organic Chemistry II (3.00)
- CHEM 241 Inorganic Chemistry I: Introduction to Periodicity and Valence Theory (3.00)
- CHEM 271 Biochemistry I (3.00)
- GEOG 375 Hydrology (3.00)
- GEOG 378 The Climate System (3.00)

Note: A minimum of 6 credits must be chosen from CHEM courses.

6 credits chosen from:

- BIOL 367 Molecular Biology (3.00)
- CHEM 375 Biochemistry II (3.00)
- CIVI 361 Introduction to Environmental Engineering (3.50)
- GEOG 377 Landform Evolution (3.00)

Note: Environmental and Sustainability Science students missing the prerequisites for CIVI 361 may apply to have all or some of these waived by the Department of Building, Civil and Environmental Engineering.

9 credits chosen from:

- BIOL 459 Aquatic Ecology (3.00)
- CHEM 458 Aquatic Biogeochemistry (3.00)
- CHEM 470 Environmental Biochemistry (3.00)
- CHEM 472 Chemical Toxicology (3.00)

Students may also choose from the following courses, when appropriate:

- CHEM 498 Advanced Topics in Chemistry (3.00)
- CIVI 467 Air Pollution and Emission Control (3.00)
- CIVI 468 Waste Management (3.00)
- CIVI 469 Geo-Environmental Engineering (3.50)
- GEOG 470 Environmental Management (3.00)
- GEOG 475 Water Resource Management (3.00)
- GEOG 476 Indigenous and Environmental History of Americas since 1492 (3.00)
- GEOG 478 Climate Change: Science, Impacts and Policy (3.00)
- GEOL 440 Seminar in Current Research on Environmental Earth Science (3.00)

Note: Environmental and Sustainability Science students missing the prerequisites for CIVI 467, CIVI 468, or CIVI 469 may apply to have all or some of these waived by the Department of Building, Civil and Environmental Engineering.

Chemistry and Biochemistry Co-operative Program

The Co-op Program

The Chemistry and Biochemistry co-operative program is offered to students who are enrolled in the BSc Honours or Specialization in Chemistry and Biochemistry; and Environmental and Sustainability Science. Students interested in applying for the Chemistry and Biochemistry co-op should refer to Institute for Co-operative Education where a full description of the admission requirements is provided.

Academic content is identical to that of the regular program, but study terms are interspersed with three work terms.

Students are supervised personally and must meet the requirements specified by the Faculty of Arts and Science and the Institute for Co-operative Education, in order to continue their studies in the co-op format.

Liaison between the student, the employers and the Institute for Co-operative Education is provided by the Chemistry and Biochemistry co-op committee, which includes the student's advisors.

Please refer to Institute for Co-operative Education for additional information.

C.Edge (Career Edge)

The Chemistry and Biochemistry C.Edge option is offered through the Institute for Cooperative Education. Like the cooperative program, C.Edge allows students to gain practical experience through work terms related to their field of study. It is limited to one or two work terms, normally in the summer. Students interested in applying for the C.Edge option should refer to Institute for Cooperative Education where a full description is provided.

Department of Chemistry and Biochemistry Courses

Notes

- A student may be exempted from one or more of the introductory courses, on the basis of work done at the Cegep level. Where exemptions are given, replacement courses must be chosen with the approval of a department advisor. In the case of certain programs approved by the Ordre des chimistes du Québec, the courses must be replaced with an equivalent number of credits in the same subdiscipline as the exemptions.
- Students who have successfully completed the Cegep equivalent for CHEM 205, 206, 221 and/or 222 should verify on their Concordia student record that they have received an exemption.
- Similarly, students who have successfully completed the equivalent course(s) at another university should verify on their Concordia student record that they have received credit or exemption as appropriate for this course. If not, they should see the departmental advisor.

CHEM 203 Forensic Analysis (3 credits)

Description:

This course introduces the non-science student to the fundamentals of chemical analysis as it is used in modern forensics. It introduces the basic concepts of the scientific method, molecules and chemical reactions, primarily focusing on chemical analysis. The key techniques used in modern forensics are presented with applications in drug, DNA, fingerprint, explosive and combustion/ arson analysis.

Component(s):

"Online"

Notes:

- Students registered in a Chemistry or Biochemistry program may not take this course for credit.

CHEM 204 From Alchemy to Modern Chemistry: A Historical Evolution of Chemistry (3 credits)

Description:

This course examines the development of chemistry before the 20th century from the Greek, Chinese and Islamic religions and philosophies to the development of measurement and instrumentation to analyze matter. The objective is to understand the roots of modern chemistry, and look at contributions and principles that are representative of the period in which they emerged.

Component(s):

"Online"

Notes:

- This course is not a prerequisite for any Chemistry course. Students in programs leading to the BSc degree may take this course as an elective, but may not take this course for credit to be applied to their program of concentration.

CHEM 205 General Chemistry I (3 credits)

Description:

This is a general chemistry course for science and engineering students. Topics include quantitative tools (measurements, precision, and accuracy), substances (formulas/names, composition, solutions, electrolytes, and properties of gases), chemical reactions (precipitation, acid-base, oxidation-reduction, and stoichiometry and analysis), properties of atoms (the quantum model, electron configurations, and periodic trends), and properties of molecules (orbitals and bonding, Lewis structures, and polarity).

Component(s):

"Lecture"; "Tutorial"; "Laboratory"

Notes:

- Students in programs leading to the BSc degree may not take this course for credit to be applied to their program of concentration.
- This course requires a good grounding in secondary-school mathematics (such as in advanced functions and pre-calculus), and physical science. Students who have successfully completed a similar chemistry course in Cegep should check on their Concordia student record if they have received an exemption and, if not exempt, submit a Student Request to have their Cegep course assessed for equivalence.

CHEM 206 General Chemistry II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 205.

Description:

This course covers the principles of chemical reactivity from a fundamental and quantitative perspective. Topics include thermochemistry and driving forces, intermolecular forces, liquids and solubility, kinetics and reaction mechanisms, equilibrium and reaction outcomes, acid-base strengths and reactions, aqueous pH calculations, buffers, titrations, and solubility equilibria.

Component(s):

"Lecture"; "Tutorial"; "Laboratory"

Notes:

- Students in programs leading to the BSc degree may not take this course for credit to be applied to their program of concentration.
- Students who have successfully completed the Cegep equivalent for this course should verify on their Concordia student record that they have received an exemption. Similarly, students who have successfully completed the equivalent course at another university should verify on their Concordia student record that they have received credit or exemption as appropriate for this course. If not, they should see the departmental advisor.

CHEM 208 Chemistry in Our Lives (3 credits)

Description:

This course is designed as an introduction to chemistry for non-science students. It concentrates on establishing the chemical concepts and vocabulary necessary to understand the many roles chemistry plays in people's daily lives. Issues to be presented will range from design and testing of drugs to protection of the ozone layer. The chemical phenomena, methodology, and theory will be presented as needed to understand the various issues covered in the course.

Component(s):

"Online"

Notes:

- This course is not a prerequisite for any Chemistry course. This course may not be taken for credit by science students.

CHEM 209 Discovering Biotechnology (3 credits)

Description:

The course begins with an exploration of the roles of genes and proteins in life processes. It then proceeds to an examination of the basic scientific principles behind manipulation of biological molecules to produce desired changes. Students are introduced to the specific applications of the technology to medicine, agriculture, and the environment. Economic and ethical issues raised by biotechnology are also examined.

Component(s):

"Lecture"

Notes:

- This course is intended for non-scientists, and may not be taken for credit by Biochemistry or Biology students.

CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 205, CHEM 206; PHYS 204, PHYS 206, PHYS 224, PHYS 226; MATH 205; or equivalents for all prerequisite courses.

Description:

This course introduces the basic concepts of analytical chemistry for biology and environmental and sustainability science students. Topics include treatment of analytical data; chemical equilibria and titrations; introduction to spectroscopy; separation science; electrochemistry.

Component(s):

"Lecture"; "Laboratory"

Notes:

- This course may not be taken for credit by students registered in a Chemistry or Biochemistry program.

CHEM 217 Introductory Analytical Chemistry I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 205, CHEM 206; PHYS 204, PHYS 206, PHYS 224, PHYS 226; MATH 203, MATH 205; or equivalents for all prerequisite courses.

Description:

This course introduces basic concepts in analytical chemistry. Topics may include precipitation methods and solubility products; activity, chemical equilibria, and titration curves of neutralization and complexation systems; treatment of analytical data; and introductory chromatography.

Component(s):

"Lecture"; "Laboratory"

CHEM 218 Introductory Analytical Chemistry II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 217.

Description:

This course examines fundamental concepts and related applications of analytical chemistry. Topics include chemical equilibria and titration curves of oxidation-reduction and precipitation reactions; potentiometry and potentiometric titrations; and an introduction to spectroscopy with emphasis on molecular and atomic absorption spectroscopy and fluorescence spectroscopy.

Component(s):

"Lecture"; "Laboratory"

CHEM 221 Introductory Organic Chemistry I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 205, CHEM 206.

Description:

Basic aspects of orbitals and their role in covalent bonding; delocalization of electrons. Alkanes: structure, nomenclature, isomerism, reactions. Introductory stereochemistry: enantiomers, diastereomers, conformers, Fischer and Newman projections, specification of chirality, E/Z isomerism. Conformations of cyclic compounds. Alkylhalides: SN1; SN2; E1; E2 reaction mechanisms. Free-radical reactions, organometallic compounds. Chemistry of alkenes, alkynes, and dienes.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have successfully completed the Cegep equivalent for this course should verify on their Concordia student record that they have received an exemption. Similarly, students who have successfully completed the equivalent course at another university should verify on their Concordia student record that they have received credit or exemption as appropriate for this course. If not, they should see the departmental advisor.

CHEM 222 Introductory Organic Chemistry II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 221. For students in a Chemistry or Biochemistry degree program, the following course must be taken previously or concurrently: CHEM 241.

Description:

This courses introduces students to IR and NMR spectroscopy for the identification of simple organic compounds. Topics include the chemistry of the following compounds: benzene and other aromatic compounds (aromaticity, electrophilic aromatic substitution, nucleophilic aromatic substitution, substituent effects), aldehydes and ketones (nucleophilic addition, oxidation, reduction, condensation reactions, tautomerism), carboxylic acids and their derivatives, amines (basicity, reactions), alcohols, ethers and related compounds.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have successfully completed the Cegep equivalent for this course should verify on their Concordia student record that they have received an exemption. Similarly, students who have successfully completed the equivalent course at another university should verify on their Concordia student record that they have received credit or exemption as appropriate for this course. If not, they should see the departmental advisor.

CHEM 234 Physical Chemistry I: Thermodynamics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 205, CHEM 206; PHYS 204, PHYS 206, PHYS 224, PHYS 226; MATH 203, MATH 205; or equivalents for all prerequisite courses.

Description:

The properties of real gases; fugacities; first, second and third laws of thermodynamics; the Phase Rule; one- and two-component systems; real solutions, and partial molal properties.

Component(s):

"Lecture"; "Tutorial"

CHEM 235 Physical Chemistry II: Kinetics of Chemical Reactions (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 234.

Description:

Mathematical treatment of experimental results; theories of reaction rates; unimolecular reactions; the steady-state approximation; factors influencing rates of reactions in solution; acid-base catalysis; catalysis by enzymes and the Michaelis-Menten mechanism; free-radical reactions; photochemical reactions; experimental methods and techniques.

Component(s):

"Lecture"; "Laboratory"

CHEM 241 Inorganic Chemistry I: Introduction to Periodicity and Valence Theory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 205, CHEM 206; PHYS 204, PHYS 206, PHYS 224, PHYS 226; MATH 203, MATH 205; or equivalents for all prerequisite courses.

Description:

The structure of the atom; the periodic table; properties of atoms, covalent bonding treatments including Lewis theory, valence shell electron pair repulsion theory of structure, valence bond and molecular orbital theory. Crystal field theory applied to the structure and properties of transition metal complexes. Bonding theories of metallic materials and semi-conductors.

Component(s):

"Lecture"; "Laboratory"

CHEM 242 Inorganic Chemistry II: The Chemistry of the Main Group Elements (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 241.

Description:

A survey of the properties and reactions of: hydrogen; Group 1, lithium to cesium; and Group 2, beryllium to radium; including the theory of ionic bonding and structure. The descriptive chemistry of Group 13, boron to thallium; Group 14, carbon to lead; Group 15, nitrogen to bismuth; Group 16, sulphur to polonium; Group 17, the halogens; and Group 18, the chemistry of the noble gases.

Component(s):

"Lecture"; "Laboratory"

CHEM 271 Biochemistry I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 221.

Description:

An introduction to the essentials of biochemistry: protein structure, enzymology, carbohydrate metabolism, electron transport, integration and regulation of metabolism.

Component(s):

"Lecture"; "Tutorial"; "Laboratory"

CHEM 283 Air, Water and Soil Processes (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 212 or CHEM 217. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an introduction to environmental chemistry. It provides a solid understanding of environmental processes in the atmosphere, hydrosphere and soil including exchange processes at their interfaces. Students learn how sources and sinks of pollutants work and how to calculate fluxes between environmental compartments. The course also examines the analytical methods employed for monitoring these processes.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 298 number may not take this course for credit.

CHEM 293 Spectroscopy and Structure of Organic Compounds (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 222.

Description:

This course examines the identification of organic compounds using methods based on electronic, vibrational, nuclear magnetic resonance and mass spectroscopies. In each case, there is an introduction to the principles of the spectroscopy and a discussion of how its spectra vary with structure. Particular emphasis is placed upon the UV-visible spectra of conjugated molecules; the identification of functional groups by IR spectroscopy; the use of NMR spectroscopy, including 2D methods, for the determination of stereochemistry; and the use of mass spectrometry for ascertaining molecular constitution. The use of computer simulation and information retrieval for structure determination is introduced.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for CHEM 393 may not take this course for credit.

CHEM 298 Selected Topics in Chemistry (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

CHEM 312 Intermediate Analytical Chemistry (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 218 or CHEM 212.

Description:

This course is a continuation of introductory analytical chemistry courses, with emphasis on instrumental methods of analysis. Emission spectroscopy; X-ray spectroscopy; voltammetry and polarography; amperometric titrations; coulometry and coulometric titrations, conductometry; chromatography with particular emphasis on gas chromatography, and high-performance liquid chromatography.

Component(s):

"Lecture"; "Laboratory"

CHEM 324 Organic Chemistry III: Organic Reactions (3 credits)

Prerequisite/Corequisite:

Students must have completed a minimum of 15 credits in chemistry including CHEM 222 and CHEM 293 prior to enrolling.

Description:

Topics in this course include a mechanistic survey of reactions of major synthetic utility, the determination of reaction mechanisms, and the importance of reactive intermediates including carbocations, carbanions, radicals, and carbenes.

Component(s):

"Lecture"; "Laboratory"

CHEM 325 Organic Chemistry IV: Organic Structure and Stereochemistry (3 credits)

Prerequisite/Corequisite:

Students must have completed a minimum of 15 credits in chemistry including CHEM 222 and CHEM 293 prior to enrolling.

Description:

This course focuses on organic structure and stereochemistry including the relationship of stereochemistry to physical properties and chemical reactivity, and the determination of organic structure and stereochemistry by chemical and spectroscopic means. The concept of molecular symmetry is also introduced.

Component(s):

"Lecture"; "Laboratory"

CHEM 326 Natural Products (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 324.

Description:

The structures, mechanisms of action, and biosynthetic origins of biologically important compounds such as fatty acids, polyketides, terpenes, steroids, alkaloids, and beta-lactam antibiotics are discussed. The role of traditional organic chemistry in the development of modern biochemistry and biotechnology is illustrated with examples from medicine and agriculture.

Component(s):

"Lecture"

CHEM 327 Organic Chemistry of Polymers (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 222.

Description:

Introduction to the fundamental aspects of polymers and polymerization. Methods of preparation, reaction mechanisms and kinetics of polymer synthesis including condensation polymerization; addition polymerization: free radical, anionic, cationic; heterogeneous (Ziegler-Natta) and homogeneous (metallocenes) coordination polymerization. Polymer characterization and uses. Lectures and problem sessions.

Component(s):

"Lecture"

CHEM 333 Introduction to Quantum Theory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 234, CHEM 241.

Description:

The course introduces students to the concept of quantum mechanics and the electronic structure of atoms and molecules. Topics include the origins and postulates of quantum theory, the Schrödinger equation and applications to simple systems such as the harmonic oscillator, rigid rotor and the hydrogen atom. The course looks at the quantum mechanical treatment of the chemical bond and provides an introduction to spectroscopy.

Component(s):

"Lecture"

CHEM 335 Biophysical Chemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 234, CHEM 235, CHEM 271, CHEM 293.

Description:

This course examines the physical basis for the structures of biomolecules (energetics of protein folding), the organization and structures of bio-membranes and biologically relevant systems, and intermolecular interactions (e.g. ligand binding). Both fundamental theory and techniques used to characterize these physical properties are covered.

Component(s):

"Lecture"; "Laboratory"

CHEM 341 Inorganic Chemistry III: The Transition Metals (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 217, CHEM 218, CHEM 241, CHEM 242.

Description:

Theories of bonding in transition metal complexes, including ligand field theory, applied to structure, physical properties, and reactivity of transition metal complexes: organometallic chemistry and catalysis. Metals in biological systems.

Component(s):

"Lecture"; "Laboratory"

CHEM 375 Biochemistry II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 221, CHEM 222, CHEM 271.

Description:

A survey of selected pathways in intermediary metabolism, including their regulation and physiological significance, lipid, amino acid and nucleoside metabolism, cholesterol biosynthesis, urea cycle and the biochemistry of protein synthesis.

Component(s):

"Lecture"; "Laboratory"

CHEM 398 Selected Topics in Chemistry (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

CHEM 411 Advanced Bioanalytical Chemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: Six credits of 300-level courses and CHEM 271 and CHEM 312. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course presents the concepts, tools and common instrumental techniques employed in modern bioanalytical chemistry for the quantitative analysis of drugs, metabolites, toxins, environmental contaminants, biomarkers, proteins, biotherapeutics and/or DNA in biological samples. Topics may include sample preparation, mass spectrometry, immunoassays, biosensors, microfluidics, bioanalytical method validation and discussion of emerging bioanalytical techniques and trends. The applications discussed encompass toxicology, forensics, pharmacokinetics, metabolism, clinical chemistry, environmental analysis, and biotechnology.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 412 Analytical Separations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 218 and CHEM 312. If prerequisites are not satisfied, permission of the Department is required.

Description:

High-performance liquid separations on an analytical (non-preparative) scale are surveyed. Fundamental separation mechanisms and application of the techniques are discussed. Emphasis is placed on separations of biologically relevant analytes which include peptides, proteins and nucleic acids.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CHEM 415 or for this topic under a CHEM 498 number may not take this course for credit.

CHEM 414 Modern Aspects of Mass Spectrometry: Metabolomics and Proteomics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: Six credits of 300-level courses and CHEM 271 or CHEM 312. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys and critically discusses the state-of the-art mass spectrometry-based approaches that are driving the metabolomics and proteomics revolution for applications such as shotgun proteomics, quantitative proteomics, posttranslational modifications, top-down proteomics, untargeted metabolomics, lipidomics, metallomics, structural biology and molecular structure characterization.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 419 Independent Study and Practicum (6 credits)

Prerequisite/Corequisite:

Students must have completed 60 credits including the 45-credit Core program, or equivalent, with a GPA of 2.00 or better in Core program courses.

Description:

In collaboration with and under the direction of a member of Faculty, the student carries out independent study and practical work on a problem chosen from the student's area of concentration. The student presents his or her work to the Department in the form of a scientific poster and submits a written report to the supervisor.

Component(s):

"Laboratory"

Notes:

- During the academic session before the one in which this project is to be undertaken, the student must have obtained the consent of the Department, by consultation with the CHEM 419 coordinator, and must have also been accepted by a faculty supervisor. Independent study and practical work.

CHEM 421 Physical Organic Chemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 222, CHEM 235; CHEM 324 or CHEM 325.

Description:

Determination of organic reaction mechanisms using kinetics, activation parameters, acid-base catalysis, Bronsted catalysis law, solvent effects, medium effects, isotope effects, substitutent effects, and linear free energy relationships.

Component(s):

"Lecture"; "Laboratory"

CHEM 424 Organic Synthesis (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 324. Students must have completed 30 credits in chemistry prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is designed to introduce students to advanced methods in organic molecule synthesis. It includes an introduction to retrosynthetic analysis, a survey of some important classes of reactions, with particular emphasis on mechanistic understanding and rationale for observed selectivity when appropriate. The strategic use of specific reactions in complex molecule synthesis is highlighted.

Component(s):

"Lecture"

CHEM 425 Nucleic Acid Chemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 222, CHEM 271.

Description:

This course introduces students to various topics in nucleic acid chemistry. The topics include nomenclature, structure and function of RNA and DNA; techniques and methods to investigate nucleic acid structure; DNA damage and repair; interaction of small molecules and proteins with nucleic acid; oligonucleotide-based therapeutics (antisense, antigene, RNAi); synthesis of purines, pyrimidines and nucleosides; and solid-phase oligonucleotide synthesis.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 426 Reactive Intermediates (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: CHEM 293.

Description:

This course offers an introduction to reactive intermediates with an emphasis on structure and stability as found in modern (physical) organic chemistry. While the focus is on radicals and carbenes, carbocations are discussed near the end of the term. The material covered is relevant to chemistry and biochemistry.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CHEM 393 or for this topic under a CHEM 498 number may not take this course for credit.

CHEM 427 Polymer Chemistry and Nanotechnology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 222. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces some basic aspects of polymer chemistry with an emphasis on polymer synthesis. Various methods are discussed, including classical step growth, free radical, and ring opening polymerization; and other more recent methods such as living anionic, living cationic, and living controlled/radical polymerization. Additionally, the design and development of functional polymers as building blocks to develop nanomaterials for bio-related applications, particularly drug delivery applications, are presented. Other topics may include amphiphilic block copolymers, self-assembly, micellar nanocarriers, cellular imaging, multifunctional drug delivery, cross-linked nanogels/hydrogels, materials science, and biomedical engineering.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 428 Medicinal Chemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 293, CHEM 324.

Description:

This course provides an introduction to the small molecule drug discovery process, addressing early target identification, hit discovery, lead optimization, preclinical considerations, up to clinical trials. The course focuses primarily on the rational design and synthesis of drugs that employ multidisciplinary approaches to satisfy a multitude of specificity and safety requirements. The emphasis is on organic synthesis within the special context of medicinal chemistry that illustrates the challenges involved in leveraging the opportunities presented by high throughput, parallel and/or combinatorial synthesis in light of physical limitations imposed by processing large numbers of compounds. Case studies from the current literature are used to highlight how new technologies and strategies have overcome some of those limitations and are used to highlight recent innovations in the field. The course also charts the evolution of powerful techniques from structural research (NMR, X-ray crystallography, and computational modelling) as fully integrated medicinal chemistry tools for modern drug-discovery to highlight key advances.

CHEM 431 Computational Chemistry for Chemists and Biochemists (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 234, CHEM 241; CHEM 333 or CHEM 335. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course presents the concepts, tools, and techniques of modern computational chemistry, and provides a very broad overview of the various fields of application across chemistry and biochemistry. The course is divided into two parts: 1) Molecular structure, which covers molecular mechanics and elementary electronic structure theory of atoms and molecules; and 2) Chemical reactivity, which covers applications of quantum chemistry and molecular dynamics techniques to studies of chemical reactions. The applications discussed include organic molecules and their reactions, peptides and proteins, drug design, DNA, polymers, inorganics, and materials. The course includes a practical component where students acquire hands-on experience with commonly used computational chemistry computer software.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 435 Interfacial Phenomena (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 234, CHEM 235.

Description:

This course examines the physical chemistry of interfaces including surface and interfacial tensions, the absorption of surface active substances/surface excess properties, and surfactant self-assembly. Topics covered may include Gibbs and Langmuir monolayers, micelle formation, emulsions, foams, surfactant liquid crystals, layer-by-layer polymer self-assembly, and biological membranes. Techniques for characterization and applications (biological and industrial) of these systems are addressed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 436 Molecular Modelling of Proteins (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 234, CHEM 271.

Description:

This course offers a hands-on introduction to the computer tools used to predict the structure of a protein from its amino acid sequence, and to gain insight into its function. Students learn modelling techniques such as sequence alignment, homology modelling, computer visualization, molecular dynamics, and molecular docking. Computer laboratory with pre-lab lectures.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 443 Organometallic Chemistry (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 341. The following course must be completed previously or concurrently: CHEM 324. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course covers the structure and properties of organometallic compounds, their main reactions and their application in catalysis and organic chemistry.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 447 Solar Energy Conversion (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 234 and CHEM 241.

Description:

This course explores how chemistry enables solar energy conversion (as a source of alternative energy) through photochemistry/photobiology and photovoltaics (solar cells). In the first subject area, solar energy conversion through artificial photosynthesis, solar fuels catalysis, and photobiological fuel production is examined. In the second subject area, the fundamental principles governing solar energy to electricity conversion, efficiency of solar cells, different photovoltaic implementations (inorganic, organic, hybrid) and charge separation/transport are explored. Special focus topics include the design, synthesis and spectroscopic tools needed to study inorganic molecules and materials for solar fuels catalysis.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit

CHEM 450 Research Project and Thesis (6 credits)

Prerequisite/Corequisite:

Students must have completed 60 credits including either the 45-credit Core Chemistry and Biochemistry program, or the 33-credit Core Environmental and Sustainability Science program, or equivalent. Enrolment in the Chemistry and Biochemistry program, or the Environmental and Sustainability Science program, with a program GPA of 3.3 or better is required. If prerequisites are not satisfied, written permission of the Department.

Description:

The student works on a research project in the student's area of concentration, selected in consultation with and conducted under the supervision of a faculty member of the Department. The student writes a thesis on the results and defends it before a departmental committee.

Component(s):

"Thesis Research"

Notes:

- During the academic session before the one in which this project is to be undertaken, the student must have obtained the consent of the Department, by consultation with the CHEM 450 coordinator, and must have also been accepted by a faculty supervisor.

CHEM 451 Nanochemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 217, CHEM 218, CHEM 221, CHEM 222, CHEM 234, CHEM 235, CHEM 241.

Description:

This modular course covers the areas of production, characterization and applications of nanoscale structures and materials. Each module is taught by a different professor as well as guest lecturers. Topics may include (but are not limited to) size dependent properties, synthesis of organic and inorganic nanostructures, self-assembled structures, chemical patterning and functional nanopatterns, biomaterials. Nanometer scale fabrication techniques such as lithographic methods, nano-stamping and patterned self-assembly are discussed. Modern analysis techniques such as atomic force microscopy and electron microscopy, which are used to map and measure at the single molecule level, are introduced. Applications such as photonics, optical properties, biodetection and biosensors, micro- and nano-fluidics, nanoelectronics and nanomachines are presented. The course includes a term project carried out using the nanoscience facilities held in the Department research labs.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 458 Aquatic Biogeochemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 217, CHEM 218, and CHEM 312. If prerequisites are not satisfied, permission of the Department is required.

Description:

The major aim of this course is to present a quantitative treatment of the variables that determine the composition of natural waters. Chemical equilibrium is the central theme of the course, but consideration is also given to kinetics, steady-state and dynamic models. Related themes include global chemical cycles, air and water pollution, as well as current research topics in water chemistry and chemical oceanography.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CHEM 418 or for this topic under a CHEM 498 number may not take this course for credit.

CHEM 470 Environmental Biochemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 367; CHEM 271, CHEM 375. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the biochemical effects of environmental stresses on organisms, and adaptations that allow organisms to face these stresses. Emphasis is placed on biochemical responses to toxic compounds such as aromatics, halogenated aliphatics, drugs, and heavy metals. Other topics may include adaptations to stresses such as temperature extremes, pathogens, and ionizing radiation. Applications to related biotechnological processes are also considered.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 471 Enzyme Kinetics and Mechanism (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 271, CHEM 375.

Description:

Steady-state kinetics, including the use of initial velocity studies and product inhibition to establish a kinetic mechanism; nonsteady-state kinetics, isotope effects, energy of activation, detailed mechanisms of selected enzymes.

Component(s):

"Lecture"

CHEM 472 Chemical Toxicology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 222, CHEM 271.

Description:

Introduction to the general principles of toxicology with emphasis on the toxic effects of chemicals in humans. Dose-response relationship, types and routes of exposure, absorption and disposition of toxic substances, toxicokinetics, types of toxic response, and factors affecting toxic response. Toxicity testing, risk assessment, and interpretation of toxicological data.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 473 Protein-Protein Interactions (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 271, CHEM 375. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an advanced examination of current topics in research related to understanding protein-protein interactions in vitro and in vivo. Topics may include biological roles of protein-protein interactions; evolution of protein-protein interactions and correlated mutations; stable vs. transient interactions and their biological significance; interactomics; structural characteristics of protein-protein interaction interfaces; targeted disruption of protein-protein interactions and drug design; experimental approaches to measuring protein-protein interactions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 474 Chemical Ecology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 375 or BIOL 367. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines how natural products interact with their cellular targets, with a special emphasis on the role of antibiotics and anticancer drugs. It also explores the role of these compounds in their natural environment, with a focus on intra-species competition and symbiosis.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 475 Protein Engineering and Design (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 271, CHEM 375. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the principles behind protein design, how techniques of protein engineering are used, and the methods used to assess protein properties. Examples include studies of protein stability, structure-function relationships, and applications to drug design.

Component(s):

"Lecture"

CHEM 476 Structure and Function of Biomembranes (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 266; CHEM 375. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course discusses what is known about how the membranes of biological organisms are assembled and the roles that these membranes play in a number of important processes. Emphasis is placed on the transport of proteins to and through biomembranes and the roles that membranes play in metabolite and ion transport. Where applicable, the significance of these processes is illustrated by examining the roles of membranes in health and disease.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CHEM 498 number may not take this course for credit.

CHEM 477 Advanced Laboratory in Biochemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 271, CHEM 375.

Description:

Theory and practice of techniques in enzymology and protein chemistry, including steady-state and stopped-flow enzyme kinetics, ligand binding, immunological techniques, proteomics, computer modelling, and chemical modification of proteins.

Component(s):

"Tutorial"; "Laboratory"

CHEM 481 Bioinorganic Chemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 241, CHEM 271.

Description:

Role of metals in biochemical systems. Essential trace elements, zinc enzymes, oxygen transport and storage, metalloproteins and biological electron transfer, structure-function relationships in heme enzymes, nitrogen fixation; model compounds for metallo-proteins and metalloenzymes.

Component(s):

"Lecture"

CHEM 487 Capstone Seminar in Environmental Science (3 credits)

Prerequisite/Corequisite:

Completion of the Environmental and Sustainability Science Core is required prior to enrolling.

Description:

The course is designed to integrate the knowledge from several courses and provide students an opportunity to apply this knowledge to a current issue in environmental sciences through experiential learning. Students work in small groups made up from participants of all streams and critically evaluate an environmental issue using the expertise of all participants. Examples could be the reclamation of a former mining site, plans for expansion of a landfill or plans for a new water treatment plant. Aspects evaluated include, but are not limited to, land use, impact on vegetation and biota, availability of critical chemical data (e.g. trace metals, water/runoff quality, and impact on the local population). The result is a detailed environmental assessment report prepared by students.

Notes:

- Students who have received credit for BIOL 487 or GEOG 487 may not take this course for credit.

CHEM 493 Magnetic Resonance Spectroscopy (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 222, CHEM 293.

Description:

This course is designed to provide the background in magnetic resonance theory necessary to understand modern high-resolution NMR experiments and instrumentation. The basic theory in the introductory section also applies to electron spin resonance (ESR). Relaxation and through-bond and through-space interactions, and experiments to investigate them are considered. Spin manipulations and behaviour in multiple-pulse, Fourier transform NMR techniques used for common spectral editing and two-dimensional experiments are discussed.

Component(s):

"Lecture"

CHEM 494 Mass Spectrometry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 218, CHEM 222, CHEM 271.

Description:

This course introduces the acquisition and interpretation of mass spectra. Topics may include ionization methods (such as electron impact, chemical ionization and electrospray), fragmentation methods, strategies for mass spectra interpretation, and an introduction to quantitative analysis by mass spectrometry.

Component(s):

"Lecture"

CHEM 495 Advanced Molecular Characterization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 241, CHEM 293; six credits of 300level CHEM courses.

Description:

This course presents advanced techniques to characterize the geometric and electronic structures of molecules. Topics may include spectroscopic (rotational, vibrational, electronic, photoelectron, NMR, EPR, Mössbauer), diffraction and electrochemical methods. The course introduces the techniques and applies them to concrete case studies.

Component(s):

"Lecture"

Notes:

- It is strongly recommended that students take CHEM 325 or CHEM 341 before enrolling in this course.

CHEM 498 Advanced Topics in Chemistry (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

CHEM 499 Advanced Topics in Chemistry (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.060 Department of Classics, Modern Languages and Linguistics

Department of Classics, Modern Languages and Linguistics

Classics, Modern Languages and Linguistics Programs

- Classics, Modern Languages and Linguistics Program Notes
- **Classics**
  - BA Honours in Classics
  - BA Major in Classics
  - Minor in Classical Languages and Literature
  - Minor in Classical Civilization
  - Minor in Classical Archaeology
  - Classics Course Lists
- **Modern Languages**
  - **Arabic (Modern Standard)**
    - Minor in Modern Arabic Language and Culture
    - Certificate in Modern Arabic Language and Culture
  - **Chinese (Modern)**
    - Minor in Modern Chinese Language and Culture
    - Certificate in Modern Chinese Language and Culture
  - **German**
    - BA Honours in German
    - BA Major in German
    - Minor in German Studies
    - German Course Lists
  - **Italian**
    - BA Honours in Italian
    - BA Major in Italian
    - Minor in Italian
  - **Spanish, Hispanic Cultures and Literatures**
    - BA Honours in Spanish, Hispanic Cultures and Literatures
    - BA Specialization in Spanish, Hispanic Cultures and Literatures
    - BA Major in Spanish, Hispanic Cultures and Literatures
    - Minor in Spanish, Hispanic Cultures and Literatures
    - Minor in Spanish Translation
    - Spanish Course Lists

Linguistics

- BA Honours in Linguistics
- BA Major in Linguistics
- Minor in Linguistics
- Linguistics Core Program

Department of Classics, Modern Languages and Linguistics Courses

Department of Classics, Modern Languages and Linguistics

Note

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/cmll.html

Department Objectives

Classics programs have two related aims: first, to provide a solid background to the cultures of ancient Greece and Rome through written documents, including historical and literary sources, and archaeological evidence; and second, to train students to read and interpret texts in ancient Greek and Latin.

The Modern Language programs provide a stimulating intellectual milieu for learning and strengthening skills in critical thinking, language proficiency, intercultural understanding, literary studies and contemporary approaches to modern languages and cultures, particularly Spanish, Italian, German, Modern Arabic, and Modern Chinese.

Linguistics is the scientific study of the human language faculty. Teaching and research in the Linguistics programs focus on two areas: linguistics as a branch of cognitive science, encompassing fields such as syntax, phonology and language acquisition; and the nature of language change, with particular emphasis on the Indo-European language family.

Classics, Modern Languages and Linguistics Program Notes

- The Department of Classics, Modern Languages and Linguistics offers undergraduate programs leading to the BA degree in Classics, Italian, Spanish, and Linguistics.
- In addition, it offers Minor and/or Certificate programs in German, Modern Arabic Language and Culture, and Modern Chinese Language and Culture.
- All these programs can normally be completed within the regular three-year university sessions.

BA Honours in Classics

Program Requirements

Honours in Classics (60 credits)

30 credits from the Core: Honours in Classics

30 credits from one of the following concentrations:

Concentration in Ancient History and Archaeology: Honours in Classics

Concentration in Classical Languages and Literature: Honours in Classics

Core: Honours in Classics (30 credits)

6 credits chosen from one of the following lists:

Introductory Ancient Greek

Introductory Latin

6 credits:

- CLAS 211 Greek Literature (3.00)
- CLAS 212 Roman Literature (3.00)

6 credits:

- CLAS 240 Greek History from the Bronze Age to Alexander (3.00)
- CLAS 242 History of the Roman Republic (3.00)

3 credits:

- CLAS 260 Introduction to Greek Archaeology (3.00)

6 credits chosen from one of the following lists:

Intermediate Ancient Greek

Intermediate Latin

3 credits:

- CLAS 490 Honours Thesis (3.00)

Concentration in Ancient History and Archaeology: Honours in Classics (30 credits)

3 credits:

- CLAS 230 Ancient Near East (3.00)

3 credits chosen from:

- CLAS 220 Daily Life in Ancient Greece and Rome (3.00)
- CLAS 265 Mythologies of the Ancient Mediterranean (3.00)
- CLAS 353 Representations of Women in Ancient Greece and Rome (3.00)

3 credits chosen from:

- CLAS 264 Egyptian Archaeology (3.00)
- CLAS 267 The Archaeology of the Greek Bronze Age (3.00)

6 credits:

- CLAS 341 Greek History from Alexander to the Roman Conquest (3.00)
- CLAS 343 History of the Roman Empire (3.00)

6 credits chosen from:

- CLAS 363 Archaeology of Archaic Greece (3.00)
- CLAS 364 Classical Greek Art and Archaeology (3.00)
- CLAS 365 Art and Archaeology of the Hellenistic Age (3.00)

3 credits:

- CLAS 369 Roman Art and Archaeology (3.00)

3 credits chosen from:

- CLAS 460 Ancient Pottery: History, Analysis, and Interpretation (3.00)
- CLAS 470 Advanced Seminar in Archaeology (3.00)

3 credits of additional Classics Courses

Concentration in Classical Languages and Literature: Honours in Classics (30 credits)

Note: Students who intend to apply to graduate programs in Classics are strongly encouraged to take the 400-level courses in both Latin and Ancient Greek.

6 credits chosen from one of the following lists:

Introductory Ancient Greek

Introductory Latin

6 credits chosen from:

- CLAS 321 Greek Epic Poetry (3.00)
- CLAS 322 Latin Literature of the Augustan Period (3.00)
- CLAS 330 Greek Drama (3.00)

6 credits chosen from one of the following lists:

Intermediate Ancient Greek

Intermediate Latin

6 credits:

Advanced Ancient Greek

6 credits:

Advanced Latin

Notes

- Students interested in entering an honours program should consult their honours program advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Classics

Program Requirements

Major in Classics (42 credits)

15 credits from the Core: Major in Classics

27 credits from one of the following concentrations:

Concentration in Ancient History and Archaeology: Major in Classics

Concentration in Classical Languages and Literature: Major in Classics

Core: Major in Classics (15 credits)

6 credits:

- CLAS 211 Greek Literature (3.00)
- CLAS 212 Roman Literature (3.00)

6 credits:

- CLAS 240 Greek History from the Bronze Age to Alexander (3.00)
- CLAS 242 History of the Roman Republic (3.00)

3 credits:

- CLAS 260 Introduction to Greek Archaeology (3.00)

Concentration in Ancient History and Archaeology: Major in Classics (27 credits)

3 credits:

- CLAS 230 Ancient Near East (3.00)

3 credits chosen from:

- CLAS 220 Daily Life in Ancient Greece and Rome (3.00)
- CLAS 265 Mythologies of the Ancient Mediterranean (3.00)
- CLAS 353 Representations of Women in Ancient Greece and Rome (3.00)

3 credits chosen from:

- CLAS 264 Egyptian Archaeology (3.00)
- CLAS 267 The Archaeology of the Greek Bronze Age (3.00)

6 credits:

- CLAS 341 Greek History from Alexander to the Roman Conquest (3.00)
- CLAS 343 History of the Roman Empire (3.00)

3 credits chosen from:

- CLAS 363 Archaeology of Archaic Greece (3.00)
- CLAS 364 Classical Greek Art and Archaeology (3.00)
- CLAS 365 Art and Archaeology of the Hellenistic Age (3.00)

3 credits:

- CLAS 369 Roman Art and Archaeology (3.00)

3 credits chosen from:

- CLAS 460 Ancient Pottery: History, Analysis, and Interpretation (3.00)
- CLAS 470 Advanced Seminar in Archaeology (3.00)

3 credits of additional Classics Courses

Concentration in Classical Languages and Literature: Major in Classics (27 credits)

6 credits chosen from one of the following lists:

Introductory Ancient Greek

Introductory Latin

6 credits chosen from:

- CLAS 321 Greek Epic Poetry (3.00)
- CLAS 322 Latin Literature of the Augustan Period (3.00)
- CLAS 330 Greek Drama (3.00)

6 credits chosen from one of the following lists:

Intermediate Ancient Greek

Intermediate Latin

6 credits chosen from one of the following lists:

Advanced Ancient Greek

Advanced Latin

3 credits of additional Classics Courses

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Classical Languages and Literature

Program Requirements

Minor in Classical Languages and Literature (24 credits)

6 credits chosen from Introductory Ancient Greek or Introductory Latin

6 credits:

- CLAS 211 Greek Literature (3.00)
- CLAS 212 Roman Literature (3.00)

6 credits chosen from:

- CLAS 321 Greek Epic Poetry (3.00)
- CLAS 322 Latin Literature of the Augustan Period (3.00)
- CLAS 330 Greek Drama (3.00)

6 credits chosen from Intermediate Ancient Greek or Intermediate Latin

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Classical Civilization

Program Requirements

Minor in Classical Civilization (24 credits)

6 credits:

- CLAS 211 Greek Literature (3.00)
- CLAS 212 Roman Literature (3.00)

6 credits:

- CLAS 240 Greek History from the Bronze Age to Alexander (3.00)
- CLAS 242 History of the Roman Republic (3.00)

3 credits:

- CLAS 260 Introduction to Greek Archaeology (3.00)

6 credits chosen from:

- CLAS 220 Daily Life in Ancient Greece and Rome (3.00)
- CLAS 265 Mythologies of the Ancient Mediterranean (3.00)
- CLAS 353 Representations of Women in Ancient Greece and Rome (3.00)

3 credits:

- CLAS 369 Roman Art and Archaeology (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Classical Archaeology

Program Requirements

Minor in Classical Archaeology (24 credits)

3 credits:

- CLAS 260 Introduction to Greek Archaeology (3.00)

6 credits:

- CLAS 264 Egyptian Archaeology (3.00)
- CLAS 267 The Archaeology of the Greek Bronze Age (3.00)

6 credits chosen from:

- CLAS 363 Archaeology of Archaic Greece (3.00)
- CLAS 364 Classical Greek Art and Archaeology (3.00)
- CLAS 365 Art and Archaeology of the Hellenistic Age (3.00)

3 credits:

- CLAS 369 Roman Art and Archaeology (3.00)

3 credits chosen from:

- CLAS 460 Ancient Pottery: History, Analysis, and Interpretation (3.00)
- CLAS 470 Advanced Seminar in Archaeology (3.00)

3 credits credits of additional Classics Courses

Notes

- Students are responsible for satisfying their particular degree requirements.

Classics Course Lists

Introductory Ancient Greek (6 credits)

6 credits chosen from:

- CLAS 201 Introductory Ancient Greek I (3.00)
- CLAS 202 Introductory Ancient Greek II (3.00)
- CLAS 280 Introductory Ancient Greek: Intensive Course (6.00)

Introductory Latin (6 credits)

6 credits chosen from:

- CLAS 203 Introductory Latin I (3.00)
- CLAS 204 Introductory Latin II (3.00)
- CLAS 290 Introductory Latin: Intensive Course (6.00)

Intermediate Ancient Greek (6 credits)

6 credits:

- CLAS 383 Intermediate Ancient Greek I: Prose (3.00)
- CLAS 384 Intermediate Ancient Greek II: Poetry (3.00)

Intermediate Latin (6 credits)

6 credits:

- CLAS 391 Intermediate Latin I: Prose (3.00)
- CLAS 392 Intermediate Latin II: Poetry (3.00)

Advanced Ancient Greek (6 credits)

6 credits:

- CLAS 410 Advanced Ancient Greek I: Prose (3.00)
- CLAS 411 Advanced Ancient Greek II: Poetry (3.00)

Advanced Latin (6 credits)

6 credits:

- CLAS 420 Advanced Latin I: Prose (3.00)

- CLAS 421 Advanced Latin II: Poetry (3.00)

Minor in Modern Arabic Language and Culture

Program Requirements

Minor in Modern Arabic Language and Culture (24 credits)

6 credits chosen from:

- MARA 200 Introduction to Modern Standard Arabic I (6.00)
- MARA 203 Modern Standard Arabic for Heritage Speakers I (3.00)
- MARA 207 Modern Standard Arabic for Heritage Speakers II (3.00)

12 credits:

- MARA 206 Introduction to Modern Standard Arabic II (6.00)
- MARA 240 Intermediate Modern Standard Arabic I (6.00)

3 credits chosen from:

- MARA 310 Introduction to the Literature of the Arab World (3.00)
- MARA 320 Modern Arabic Fiction (3.00)
- MARA 365 Culture and Civilization of the Arab World: The Golden Age (3.00)
- MARA 367 Culture and Civilization of the Arab World: The Modern Age (3.00)
- MARA 398 Special Topics in Arabic Language and Culture (3.00)
- MARA 450 Arabic Women Writers (3.00)

3 credits chosen from MARA 250 or higher, or from the following courses:

- FLIT 362 Littératures du Maghreb (3.00)
- HIST 242 History of the Middle East (3.00)
- HIST 374 Egypt and the World Since 1798 (3.00)
- POLI 391 Middle East and Global Conflict (3.00)
- POLI 395 Politics of the Middle East (3.00)
- RELI 224 Introduction to Islam (3.00)
- RELI 316 Classical Islam (3.00)
- RELI 318 Shiite Islam (3.00)
- RELI 319 Modern Islam (3.00)

Notes

- Upon consultation with the Department, students with a background in Arabic may be placed at a more advanced level in the language component of this program.
- Heritage speakers of Arabic and students with knowledge of the Arabic script must contact the Department for placement assessment.
- Students are responsible for satisfying their particular degree requirements.

Certificate in Modern Arabic Language and Culture

Program Requirements

Certificate in Modern Arabic Language and Culture (30 credits)

6 credits chosen from:

- MARA 200 Introduction to Modern Standard Arabic I (6.00)
- MARA 203 Modern Standard Arabic for Heritage Speakers I (3.00)
- MARA 207 Modern Standard Arabic for Heritage Speakers II (3.00)

12 credits:

- MARA 206 Introduction to Modern Standard Arabic II (6.00)
- MARA 240 Intermediate Modern Standard Arabic I (6.00)

6 credits chosen from:

- MARA 310 Introduction to the Literature of the Arab World (3.00)
- MARA 320 Modern Arabic Fiction (3.00)
- MARA 365 Culture and Civilization of the Arab World: The Golden Age (3.00)
- MARA 367 Culture and Civilization of the Arab World: The Modern Age (3.00)
- MARA 398 Special Topics in Arabic Language and Culture (3.00)
- MARA 450 Arabic Women Writers (3.00)

6 credits chosen from MARA 250 or higher, or from the following courses:

- FLIT 362 Littératures du Maghreb (3.00)
- HIST 242 History of the Middle East (3.00)
- HIST 374 Egypt and the World Since 1798 (3.00)
- POLI 391 Middle East and Global Conflict (3.00)
- POLI 395 Politics of the Middle East (3.00)
- RELI 224 Introduction to Islam (3.00)
- RELI 316 Classical Islam (3.00)
- RELI 318 Shiite Islam (3.00)
- RELI 319 Modern Islam (3.00)

Notes

- Upon consultation with the Department, students with a background in Arabic may be placed at a more advanced level in the language component of this program.
- Heritage speakers of Arabic and students with knowledge of the Arabic script must contact the Department for placement assessment.
- Students are responsible for satisfying their particular program requirements.

Minor in Modern Chinese Language and Culture

Program Requirements

Minor in Modern Chinese Language and Culture (30 credits)

18 credits:

- MCHI 200 Introduction to Modern Chinese I (6.00)
- MCHI 206 Introduction to Modern Chinese II (6.00)
- MCHI 240 Intermediate Modern Chinese I (6.00)

12 credits chosen from:

- MCHI 250 Intermediate Modern Chinese II (3.00)
- MCHI 306 Introduction to Translation (3.00)
- MCHI 308 Chinese for Business (3.00)
- MCHI 310 Introduction to Modern Chinese Literature (3.00)
- MCHI 311 Classical Chinese Literature (3.00)
- MCHI 365 Introduction to Chinese Cultural Traditions (3.00)
- MCHI 366 Chinese Visual Culture (3.00)
- MCHI 398 Special Topics in Chinese Language and Culture (3.00)
- MCHI 399 Special Topics in Chinese Language and Culture (6.00)
- HIST 262 History of China (3.00)
- HIST 367 Modern China (3.00)
- POLI 335 Politics of the People's Republic of China (3.00)
- RELI 360 Religions of China (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

Certificate in Modern Chinese Language and Culture

Program Requirements

Certificate in Modern Chinese Language and Culture (30 credits)

18 credits:

- MCHI 200 Introduction to Modern Chinese I (6.00)
- MCHI 206 Introduction to Modern Chinese II (6.00)
- MCHI 240 Intermediate Modern Chinese I (6.00)

12 credits chosen from:

- MCHI 250 Intermediate Modern Chinese II (3.00)
- MCHI 306 Introduction to Translation (3.00)
- MCHI 308 Chinese for Business (3.00)
- MCHI 310 Introduction to Modern Chinese Literature (3.00)
- MCHI 311 Classical Chinese Literature (3.00)
- MCHI 365 Introduction to Chinese Cultural Traditions (3.00)
- MCHI 366 Chinese Visual Culture (3.00)
- MCHI 398 Special Topics in Chinese Language and Culture (3.00)
- MCHI 399 Special Topics in Chinese Language and Culture (6.00)
- HIST 262 History of China (3.00)
- HIST 367 Modern China (3.00)
- POLI 335 Politics of the People's Republic of China (3.00)
- RELI 360 Religions of China (3.00)

Notes

- Students are responsible for satisfying their particular program requirements.

BA Honours in German

Program Requirements

Note: Admission to this program is suspended.

Honours in German (60 credits)

6 credits chosen from Intermediate German

6 credits:

GERM 256 Translation I (3 credits)

GERM 257 Translation II (3 credits)

24 credits:

- GERM 301 Advanced Grammar and Composition I (3.00)
- GERM 302 Advanced Grammar and Composition II (3.00)
- GERM 306 Introduction to Translation (3.00)
- GERM 307 Translation Practice (3.00)
- GERM 308 German for Business (3.00)

GERM 271 German Composition and Conversation (3 credits)

GERM 365 German Civilization I (3 credits)

GERM 366 German Civilization II (3 credits)

21 credits chosen from German courses at the 400 level, of which a minimum of six credits must be selected from:

GERM 405 Early German Literature I (3 credits)

GERM 406 Early German Literature II (3 credits)

GERM 461 History of the German Language I (3 credits)

GERM 462 History of the German Language II (3 credits)

3 credits:

- GERM 490 Honours Essay Tutorial (3.00)

Notes

- Students interested in entering an honours program should consult their honours program advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students with advanced placement must replace the 200-level language courses with 300- or 400-level courses offered within the same program.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in German

Program Requirements

Note: Admission to this program is suspended.

Major in German (42 credits)

6 credits chosen from Intermediate German

6 credits:

GERM 256 Translation I (3 credits)

GERM 257 Translation II (3 credits)

15 credits chosen from:

- GERM 301 Advanced Grammar and Composition I (3.00)
- GERM 302 Advanced Grammar and Composition II (3.00)
- GERM 306 Introduction to Translation (3.00)
- GERM 307 Translation Practice (3.00)
- GERM 308 German for Business (3.00)

GERM 271 German Composition and Conversation (3 credits)

GERM 365 German Civilization I (3 credits)

GERM 366 German Civilization II (3 credits)

15 credits chosen from German courses at the 400 level, of which a minimum of six credits must be selected from:

GERM 405 Early German Literature I (3 credits)

GERM 406 Early German Literature II (3 credits)

GERM 461 History of the German Language I (3 credits)

GERM 462 History of the German Language II (3 credits)

Notes

- Students with advanced placement must replace the 200 level language courses with 300 or 400 level courses offered within the same program.
- Students are responsible for satisfying their particular degree requirements.

Minor in German Studies

Program Requirements

Minor in German Studies (30 credits)

6 credits chosen from Introductory German

6 credits chosen from Intermediate German

3 credits chosen from one of the following courses:

- GERM 230 Introduction to German Culture (3.00)
- GERM 231 German Literature in Translation (3.00)

3 credits chosen from courses higher than GERM 242

9 credits chosen from related disciplines in consultation with the Department. See the courses listed below for some example courses in related disciplines. Additional German courses may qualify to meet this requirement.

- HIST 235 The Holocaust (3.00)
- PHIL 374 Kant and 19th-Century Philosophy (3.00)
- PHIL 385 Marxism (3.00)
- PHIL 485 Kant (3.00)
- PHIL 486 Hegel (3.00)
- RELI 235 The Holocaust (3.00)
- RELI 331 Literature and the Holocaust (3.00)

3 credits chosen from German courses at the 400 level

Notes

- Students with advanced placement must replace the 200-level language courses with 300- or 400-level courses offered within the same program.
- Students are responsible for satisfying their particular degree requirements.

German Course Lists

Introductory German (6 credits)

6 credits chosen from:

- GERM 200 Introductory German: Intensive Course (6.00)
- GERM 201 Introductory German I (3.00)
- GERM 202 Introductory German II (3.00)

Intermediate German (6 credits)

6 credits chosen from:

- GERM 240 Intermediate German: Intensive Course (6.00)
- GERM 241 Intermediate German I (3.00)
- GERM 242 Intermediate German II (3.00)

BA Honours in Italian

Program Requirements

Honours in Italian (60 credits)

6 credits chosen from:

- ITAL 240 Intermediate Italian: Intensive Course (6.00)
- ITAL 241 Intermediate Italian I (3.00)
- ITAL 242 Intermediate Italian II (3.00)

12 credits chosen from:

- ITAL 301 Advanced Grammar and Writing I (3.00)
- ITAL 302 Advanced Grammar and Writing II (3.00)
- ITAL 303 Introduction to Academic Writing in Italian (3.00)
- ITAL 310 Survey of Italian Literature I (3.00)
- ITAL 311 Survey of Italian Literature II (3.00)
- ITAL 365 Italian Civilization: Italy from Dante to Today (3.00)

39 credits in an approved sequence chosen from courses higher than ITAL 302, of which at least 12 credits must be at the 400 level

3 credits:

- ITAL 490 Honours Essay Tutorial (3.00)

Notes

- Students interested in entering an honours program should consult their honours program advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students with advanced placement must replace the 200-level language courses with 300- or 400-level courses offered within the same program.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Italian

Program Requirements

Major in Italian (42 credits)

6 credits chosen from:

- ITAL 240 Intermediate Italian: Intensive Course (6.00)
- ITAL 241 Intermediate Italian I (3.00)
- ITAL 242 Intermediate Italian II (3.00)

12 credits chosen from:

- ITAL 301 Advanced Grammar and Writing I (3.00)
- ITAL 302 Advanced Grammar and Writing II (3.00)
- ITAL 303 Introduction to Academic Writing in Italian (3.00)
- ITAL 310 Survey of Italian Literature I (3.00)
- ITAL 311 Survey of Italian Literature II (3.00)
- ITAL 365 Italian Civilization: Italy from Dante to Today (3.00)

24 credits in an approved sequence chosen from courses higher than ITAL 302, of which at least six credits must be at the 400 level

Notes

- Students with advanced placement must replace the 200-level language courses with 300- or 400-level courses offered within the same program.
- Students are responsible for satisfying their particular degree requirements.

Minor in Italian

Program Requirements

Minor in Italian (30 credits)

30 credits chosen from Italian courses, of which at least 15 credits must be at the 300 level and three credits at the 400 level.

Notes

- Students with advanced placement must replace the 200-level language courses with 300- or 400-level courses offered within the same program.
- Students are responsible for satisfying their particular degree requirements.

BA Honours in Spanish, Hispanic Cultures and Literatures

Program Requirements

Honours in Spanish, Hispanic Cultures and Literatures (60 credits)

6 credits chosen from Intermediate Spanish

9 credits:

- SPAN 301 Grammar and the Process of Writing I (3.00)
- SPAN 302 Grammar and the Process of Writing II (3.00)
- SPAN 303 Critical Reading of Hispanic Texts (3.00)

12 credits chosen from:

- SPAN 310 Hispanic Literature from the 12th to the 17th Centuries (3.00)
- SPAN 311 Crisis and Introspection: Spanish Literature from the 18th to the 21st Centuries (3.00)
- SPAN 320 Defining Difference in Spanish America: Literature from 1500 to 1880 (3.00)
- SPAN 321 Identity and Independence in Spanish America: Literature from 1880 to the Present (3.00)
- SPAN 362 Cultures of Mexico, the Central American Region, and the Spanish Caribbean (3.00)
- SPAN 363 Cultures of the Southern Cone and the Andean Region (3.00)
- SPAN 365 The History of Spanish Culture (3.00)

30 credits chosen from all other courses above SPAN 303, of which at least 21 credits must be at the 400 level

3 credits:

- SPAN 490 Honours Project (3.00)

Notes

- Students interested in entering an honours program should consult their honours program advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students registered in an Honours in Spanish, Hispanic Cultures and Literatures program may not take SPAN 308 for program credit.
- Students with advanced placement must replace the 200-level language courses with 300- or 400-level courses offered within the same program.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in Spanish, Hispanic Cultures and Literatures

Program Requirements

Specialization in Spanish, Hispanic Cultures and Literatures (60 credits)

6 credits chosen from Intermediate Spanish

9 credits:

- SPAN 301 Grammar and the Process of Writing I (3.00)
- SPAN 302 Grammar and the Process of Writing II (3.00)
- SPAN 303 Critical Reading of Hispanic Texts (3.00)

12 credits chosen from:

- SPAN 310 Hispanic Literature from the 12th to the 17th Centuries (3.00)
- SPAN 311 Crisis and Introspection: Spanish Literature from the 18th to the 21st Centuries (3.00)
- SPAN 320 Defining Difference in Spanish America: Literature from 1500 to 1880 (3.00)
- SPAN 321 Identity and Independence in Spanish America: Literature from 1880 to the Present (3.00)
- SPAN 362 Cultures of Mexico, the Central American Region, and the Spanish Caribbean (3.00)
- SPAN 363 Cultures of the Southern Cone and the Andean Region (3.00)
- SPAN 365 The History of Spanish Culture (3.00)

33 credits chosen from all other courses above SPAN 303, of which at least 21 credits must be at the 400 level

Notes

- Students with advanced placement must replace the 200-level language courses with 300- or 400-level courses offered within the same program.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Spanish, Hispanic Cultures and Literatures

Program Requirements

Major in Spanish, Hispanic Cultures and Literatures (42 credits)

6 credits chosen from Intermediate Spanish

9 credits:

- SPAN 301 Grammar and the Process of Writing I (3.00)
- SPAN 302 Grammar and the Process of Writing II (3.00)
- SPAN 303 Critical Reading of Hispanic Texts (3.00)

6 credits chosen from:

- SPAN 310 Hispanic Literature from the 12th to the 17th Centuries (3.00)
- SPAN 311 Crisis and Introspection: Spanish Literature from the 18th to the 21st Centuries (3.00)
- SPAN 320 Defining Difference in Spanish America: Literature from 1500 to 1880 (3.00)
- SPAN 321 Identity and Independence in Spanish America: Literature from 1880 to the Present (3.00)

3 credits chosen from:

- SPAN 362 Cultures of Mexico, the Central American Region, and the Spanish Caribbean (3.00)
- SPAN 363 Cultures of the Southern Cone and the Andean Region (3.00)
- SPAN 365 The History of Spanish Culture (3.00)

18 credits chosen from all other courses above SPAN 303, of which at least 12 credits must be at the 400 level

Notes

- Students with advanced placement must replace the 200-level language courses with 300- or 400-level courses offered within the same program.
- Students are responsible for satisfying their particular degree requirements.

Minor in Spanish, Hispanic Cultures and Literatures

Program Requirements

Minor in Spanish, Hispanic Cultures and Literatures (30 credits)

6 credits:

Introductory Spanish

6 credits:

Intermediate Spanish

9 credits:

- SPAN 301 Grammar and the Process of Writing I (3.00)
- SPAN 302 Grammar and the Process of Writing II (3.00)
- SPAN 303 Critical Reading of Hispanic Texts (3.00)

9 credits chosen from all other courses above SPAN 303, of which at least three credits must be at the 400 level

Notes

- Students with advanced placement must replace the 200-level language courses with 300- or 400-level courses offered within the same program.
- Students are responsible for satisfying their particular degree requirements.

Minor in Spanish Translation

Program Requirements

Minor in Spanish Translation (33 credits)

6 credits:

Introductory Spanish

6 credits:

Intermediate Spanish

6 credits:

- SPAN 301 Grammar and the Process of Writing I (3.00)
- SPAN 303 Critical Reading of Hispanic Texts (3.00)

6 credits:

- SPAN 306 Introduction to Translation (3.00)
- SPAN 307 Translation Practice (3.00)

3 credits chosen from:

- SPAN 362 Cultures of Mexico, the Central American Region, and the Spanish Caribbean (3.00)
- SPAN 363 Cultures of the Southern Cone and the Andean Region (3.00)
- SPAN 365 The History of Spanish Culture (3.00)

3 credits chosen from:

- SPAN 473 Literary Translation in Spanish (3.00)
- SPAN 474 Translation for Specific Fields (3.00)
- SPAN 475 Translation Issues in Spanish American Culture (3.00)

3 credits of Spanish courses at the 400 level

Notes

- Students with advanced placement must replace the 200-level language courses with 300- or 400-level courses offered within the same program.
- Students are responsible for satisfying their particular degree requirements.

Spanish Course Lists

Introductory Spanish (6 credits)

6 credits chosen from:

- SPAN 200 Introductory Spanish: Intensive Course (6.00)
- SPAN 201 Introductory Spanish I (3.00)
- SPAN 202 Introductory Spanish II (3.00)

Intermediate Spanish (6 credits)

6 credits chosen from:

- SPAN 240 Intermediate Spanish: Intensive Course (6.00)
- SPAN 241 Intermediate Spanish I (3.00)
- SPAN 242 Intermediate Spanish II (3.00)

BA Honours in Linguistics

Program Requirements

Honours in Linguistics (60 credits)

21 credits from the Linguistics Core Program

3 credits chosen from:

- LING 322 Linguistics and Cognitive Science (3.00)
- LING 353 Psycholinguistics (3.00)
- LING 380 Morphology (3.00)

3 credits chosen from:

- LING 330 Sanskrit (3.00)
- LING 361 Hittite (3.00)
- LING 421 Non-Indo-European Structures (3.00)

Note: Students may substitute CLAS 201 or CLAS 203 for this requirement.

12 credits chosen from:

- LING 415 Advanced Syntax (3.00)
- LING 435 Advanced Historical Linguistics (3.00)
- LING 471 Advanced Semantics (3.00)
- LING 472 Advanced Phonetics (3.00)
- LING 473 Advanced Phonology (3.00)

6 credits chosen from:

- LING 425 Language Acquisition and Universal Grammar (3.00)
- LING 436 Indo-European Linguistics (3.00)
- LING 475 History of Linguistics (3.00)
- LING 477 Syntax-Semantics Interface (3.00)

12 credits chosen from additional Linguistics Courses

3 credits:

- LING 490 Honours Tutorial (3.00)

Notes

- Students interested in entering an honours program should consult their honours program advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Linguistics

Program Requirements

Major in Linguistics (42 credits)

21 credits from the Linguistics Core Program

3 credits chosen from:

- LING 330 Sanskrit (3.00)
- LING 361 Hittite (3.00)
- LING 421 Non-Indo-European Structures (3.00)

Students may substitute CLAS 201 or CLAS 203 for this requirement.

6 credits chosen from:

- LING 415 Advanced Syntax (3.00)
- LING 435 Advanced Historical Linguistics (3.00)
- LING 471 Advanced Semantics (3.00)
- LING 472 Advanced Phonetics (3.00)
- LING 473 Advanced Phonology (3.00)

3 credits chosen from:

- LING 425 Language Acquisition and Universal Grammar (3.00)
- LING 436 Indo-European Linguistics (3.00)
- LING 475 History of Linguistics (3.00)
- LING 477 Syntax-Semantics Interface (3.00)

9 credits chosen from additional Linguistics Courses

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Linguistics

Program Requirements

Minor in Linguistics (24 credits)

6 credits:

- LING 200 Introduction to Linguistic Science (3.00)
- LING 222 Language and Mind: The Chomskyan Program (3.00)

18 credits of Linguistics Courses

Notes

- Students are responsible for satisfying their particular degree requirements.

Linguistics Core Program

Linguistics Core Program (21 credits)

21 credits:

- LING 200 Introduction to Linguistic Science (3.00)
- LING 222 Language and Mind: The Chomskyan Program (3.00)
- LING 315 Syntax (3.00)
- LING 335 Historical Linguistics (3.00)
- LING 371 Semantics (3.00)
- LING 372 Descriptive and Instrumental Phonetics (3.00)
- LING 373 Phonology (3.00)

Department of Classics, Modern Languages and Linguistics Courses

Quick Links

Program Courses

Classics Courses

Modern Languages Courses

- Arabic (Modern Standard) Courses
- Chinese (Modern) Courses
- German Courses
- Italian Courses
- Spanish Courses

Linguistics Courses

Non-program Courses

Hebrew Courses

Modern Languages Courses

- Modern Greek Courses
- Modern Languages Special Topics Courses
- Russian Courses

Program Courses

Classics Courses

CLAS 201 Introductory Ancient Greek I (3 credits)

Description:

This course presents students with the introductory elements of ancient Greek grammar, syntax, and vocabulary.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 280 may not take this course for credit.

CLAS 202 Introductory Ancient Greek II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 201.

Description:

This course continues the study of Greek grammar, syntax, and vocabulary, and prepares students to begin reading ancient texts.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 280 may not take this course for credit.

CLAS 203 Introductory Latin I (3 credits)

Description:

This course presents students with the introductory elements of Classical Latin grammar, syntax, and vocabulary.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 290 may not take this course for credit.

CLAS 204 Introductory Latin II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 203.

Description:

This course continues the study of Classical Latin grammar, syntax, and vocabulary, and prepares students to begin reading ancient texts.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 290 may not take this course for credit.

CLAS 210 Classical Civilization (3 credits)

Description:

This course provides a comprehensive introduction to the civilizations of Ancient Greece and Rome, focusing on history, archaeology, literature and thought from the Late Bronze Age through to the decline of the Roman Empire.

Component(s):

"Lecture"

CLAS 211 Greek Literature (3 credits)

Description:

An introduction to the literature of ancient Greece, this course focuses on Homer and the epic cycle, the Homeric hymns, Hesiod and lyric poetry, tragedy and comedy. The texts are read in English translation.

Component(s):

"Lecture"

CLAS 212 Roman Literature (3 credits)

Description:

An introduction to the major authors of the Roman world, this course focuses on Catullus, Virgil, Horace, Ovid and Lucretius; works of the dramatists, orators and satirists may also be included. The texts are read in English translation.

Component(s):

"Lecture"

CLAS 220 Daily Life in Ancient Greece and Rome (3 credits)

Description:

This course explores the lifestyles, customs, and daily practices of people in Ancient Greece and Rome through archaeological, historical, and literary sources.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 221 or 222 may not take this course for credit.

CLAS 230 Ancient Near East (3 credits)

(also listed as HIST 219)

Description:

A political, social, economic, and intellectual history of the ancient Near East, this course surveys the period from the origins of civilization in the middle of the fourth millennium to Alexander the Great's conquest of the Persian Empire in the latter part of the fourth century BC.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 219 may not take this course for credit.

CLAS 240 Greek History from the Bronze Age to Alexander (3 credits)

(also listed as HIST 223)

Description:

This course offers a political, social, economic, and cultural history of Greece from the Minoan-Mycenaean period in the second millennium to the end of Classical Greek civilization in the fourth century BC, with special emphasis placed upon Athens.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 223 may not take this course for credit.

CLAS 242 History of the Roman Republic (3 credits)

(also listed as HIST 225)

Description:

This course offers a political, social, economic, and cultural history of Rome from the city's origins to the establishment of the Roman Empire under the Emperor Augustus,

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 225 may not take this course for credit.

CLAS 260 Introduction to Greek Archaeology (3 credits)

Description:

This course provides a general overview of the material remains of ancient Greece from the Bronze Age to the Hellenistic period. It addresses the function, context, dating, and meaning of artifacts, as well as methods of analysis.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 266 may not take this course for credit.

CLAS 264 Egyptian Archaeology (3 credits)

Description:

This course examines the principal monuments of Egypt from the predynastic through the Pharaonic period, ending with the Roman conquest of Egypt. Aspects considered may include the pyramids and tombs, paintings, writing systems, and archaeological evidence of Egyptian contributions to science, navigation, religion, and culture.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a CLAS 298 number may not take this course for credit.

CLAS 265 Mythologies of the Ancient Mediterranean (3 credits)

Description:

This course provides a survey of the myths of the ancient Mediterranean. The focus is on Greek and Roman mythology, with attention also given to the mythologies of the Ancient Near East.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 261 or 262 may not take this course for credit.

CLAS 267 The Archaeology of the Greek Bronze Age (3 credits)

Description:

The Bronze Age in Mainland Greece, Crete, and the Greek Islands.

Component(s):

"Lecture"

CLAS 280 Introductory Ancient Greek: Intensive Course (6 credits)

Description:

Greek grammar, syntax, and vocabulary are presented in an intensive one-term course that enables students to begin reading ancient texts.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 201 or CLAS 202 may not take this course for credit. This course covers the same material as CLAS 201 and CLAS 202.

CLAS 290 Introductory Latin: Intensive Course (6 credits)

Description:

Latin grammar, syntax, and vocabulary are presented in an intensive one-term course that enables students to begin reading ancient texts.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 203 or CLAS 204 may not take this course for credit. This course covers the same material as CLAS 203 and CLAS 204.

CLAS 298 Selected Topics in Classics (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

CLAS 299 Selected Topics in Classics (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

CLAS 321 Greek Epic Poetry (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 211.

Description:

This course provides an in-depth study of Greek epic poetry from the Archaic through to the Hellenistic period. The primary focus is on early Hexameter poetry (Homer, Hesiod, and the Homeric Hymns), as well as the development of the genre in the Hellenistic period as represented by Callimachus and Apollonius of Rhodes. The texts are read in English translation.

Component(s):

"Lecture"

CLAS 322 Latin Literature of the Augustan Period (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 212.

Description:

This course provides an in-depth study of the Golden Age of Latin poetry in the period of transition from Republic to Empire. Authors studied include Virgil, Horace, Propertius, and Ovid. The texts are read in English translation.

Component(s):

"Lecture"

CLAS 330 Greek Drama (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 211.

Description:

Designed as an introduction to Greek drama from the origins of tragedy in the sixth century to New Comedy, this course consists of a detailed study of selected plays of Aeschylus, Sophocles, Euripides, Aristophanes and Menander. Also considered are Aristotle's Poetics and production techniques of the Greek theatre. The texts are read in English translation.

Component(s):

"Lecture"

CLAS 341 Greek History from Alexander to the Roman Conquest (3 credits)

(also listed as HIST 323)

Description:

A political, social, economic, and cultural history of the Greek world from Alexander the Great to the Roman conquest of Greece in 146 BCE.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 241 or HIST 224 or HIST 323 may not take this course for credit.

CLAS 343 History of the Roman Empire (3 credits)

(also listed as HIST 327)

Description:

This course offers a political, social, economic, and cultural history of the Roman Empire from Augustus to the end of the Roman Empire in the West.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 243 or HIST 226 or HIST 327 may not take this course for credit.

CLAS 353 Representations of Women in Ancient Greece and Rome (3 credits)

Description:

The ancient Greek and Roman representations of women are examined within their historical and cultural contexts. Focus is placed on the changing social roles, status and images of women in antiquity. Both visual and literary sources are used.

Component(s):

"Lecture"

CLAS 363 Archaeology of Archaic Greece (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 260.

Description:

This course explores the cultural developments of the period (ca. 650 to 450 BCE) through its material remains.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 263 or for this topic under a CLAS 298 number may not take this course for credit.

CLAS 364 Classical Greek Art and Archaeology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 260.

Description:

An exploration of the monuments and artifacts of Classical Greece, ca. 480 to 380 BCE, this course concentrates on architecture, sculpture, vase painting, artistic production and methods of interpretation.

Component(s):

"Lecture"

CLAS 365 Art and Archaeology of the Hellenistic Age (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 260.

Description:

An investigation of the art and archaeology of the Hellenistic age from the death of Alexander in 323 to the mid-first century BCE, this course examines architecture, sculpture, mosaics, wall painting and the minor arts; emphasis is on the Roman influence on Greek art of the period.

Component(s):

"Lecture"

CLAS 369 Roman Art and Archaeology (3 credits)

Description:

An introduction to the artifacts and monuments of Roman civilization from the sixth century BC through the Empire (third century AD), this course examines artistic styles, techniques, function, iconography and interpretation.

Component(s):

"Lecture"

CLAS 370 Practicum in Archaeology (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course is designed to give the student on-site fieldwork experience in either survey or excavation work. At least one month in the field is required.

Component(s):

"Tutorial"

CLAS 383 Intermediate Ancient Greek I: Prose (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 202 or CLAS 280.

Description:

In this course, students read prose works of authors such as Herodotus, Xenophon and Plato in the original Greek texts. Special attention is given to grammatical and syntactical structures of the language.

Component(s):

"Lecture"

CLAS 384 Intermediate Ancient Greek II: Poetry (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 383.

Description:

In this course, students read selected works of the ancient poets in the original Greek texts, with an emphasis on Homer and Euripides. Special attention is given to grammatical and syntactical structures of the language.

Component(s):

"Lecture"

CLAS 391 Intermediate Latin I: Prose (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 204 or CLAS 290.

Description:

Prose works of authors such as Caesar, Cornelius Nepos, Cicero and Pliny are read in the original Latin texts. Attention is given to further study of grammatical and syntactical structures of the language.

Component(s):

"Lecture"

CLAS 392 Intermediate Latin II: Poetry (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 391.

Description:

Selected works of the Roman poets are read in the original Latin texts, with emphasis on Catullus, Ovid, Martial and Petronius. Attention is given to further study of grammatical and syntactical structures of the language.

Component(s):

"Lecture"

CLAS 398 Selected Topics in Classics (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

CLAS 399 Selected Topics in Classics (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

CLAS 410 Advanced Ancient Greek I: Prose (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 384.

Description:

Works of the Greek historians, philosophers and orators are studied in depth in the original Greek texts. While authors read vary from year to year, the primary focus is on Herodotus, Thucydides, Plato or Demosthenes. Advanced issues of grammar and syntax in addition to textual constitution, as well as broader issues of historical and literary importance, are discussed.

Component(s):

"Lecture"

CLAS 411 Advanced Ancient Greek II: Poetry (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 410.

Description:

Works of Greek epic, lyric or dramatic poetry are studied in depth in the original Greek texts. While authors read vary from year to year, the primary focus is on Homer, Aeschylus, Sophocles, Euripides or Pindar. Advanced issues of grammar and syntax in addition to textual constitution, as well as broader issues of historical and literary importance, are discussed.

Component(s):

"Lecture"

CLAS 420 Advanced Latin I: Prose (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 392.

Description:

Works of the Roman historians, philosophers and orators are studied in depth in the original Latin texts. While authors read vary from year to year, the primary focus is on Cicero, Sallust, Livy or Tacitus. Advanced issues of grammar and syntax in addition to textual constitution, as well as broader issues of historical and literary importance, are discussed.

Component(s):

"Lecture"

CLAS 421 Advanced Latin II: Poetry (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CLAS 420.

Description:

Works of the Roman poets are studied in depth in the original Latin texts. While authors read vary from year to year, the primary focus is on Virgil, Ovid, Horace, Juvenal or Lucretius. Advanced issues of grammar and syntax in addition to textual constitution, as well as broader issues of historical and literary importance, are discussed.

Component(s):

"Lecture"

CLAS 460 Ancient Pottery: History, Analysis, and Interpretation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CLAS 260 and 6 credits at the 300-level in Archaeology.

Description:

This course introduces students to the most common archaeological artifact, pottery. It addresses the technology and history of Greek and Roman ceramic wares, and uses a hands-on approach to instruct students in strategies for extracting information from pottery sherds.

Component(s):

"Seminar"

CLAS 470 Advanced Seminar in Archaeology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CLAS 260 and 6 credits at the 300-level in Archaeology.

Description:

This course examines specific topics in archaeology such as architecture, urban planning, sculpture, inscriptions, numismatics, ancient landscapes, or techniques/methodologies.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a CLAS 498 number may not take this course for credit.

CLAS 480 Tutorial (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course provides students with the opportunity to study a topic of individual interest under the guidance of a faculty member.

Component(s):

"Tutorial"

CLAS 490 Honours Thesis (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

The student works with an individual faculty member in a particular area of archaeology, history or philology to produce an extensive research paper.

Component(s):

"Tutorial"

CLAS 498 Advanced Topics in Classics (3 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

CLAS 499 Advanced Topics in Classics (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Modern Languages Courses

Arabic (Modern Standard) Courses

Note

The department reserves the right to transfer a student to a higher-level language course if it is deemed that the course for which the student has registered is not appropriate for the extent of his or her knowledge of the language.

MARA 200 Introduction to Modern Standard Arabic I (6 credits)

Description:

This course provides an intensive introduction to the basic elements of Modern Standard Arabic for the student with no knowledge of the language. Instruction addresses all the language competencies of Modern Standard Arabic.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MARA 203 or MARA 205 or MARA 207 or heritage speakers or students with knowledge of the Arabic script may not take this course for credit.

MARA 203 Modern Standard Arabic for Heritage Speakers I (3 credits)

Description:

This course provides an introduction to the basic elements of Modern Standard Arabic for students with basic or limited knowledge of the language. It is designed for heritage speakers with no reading and writing skills in Modern Standard Arabic but with knowledge of dialect vocabulary and oral skills. The course is also for non-heritage students who know the Arabic script but have never studied the Arabic language.

Component(s):

"Lecture"

Notes:

- Heritage speakers placed into this course can continue with MARA 207 while non-heritage speakers can continue with MARA 206 upon successful completion of this course.
- Students who have received credit for this topic under a MARA 298 number may not take this course for credit.

MARA 206 Introduction to Modern Standard Arabic II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MARA 200 or MARA 203 or equivalent.

Description:

This course continues the introduction to the basic elements of Modern Standard Arabic. Students practise conversation skills on basic general topics.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MARA 207 may not take this course for credit.

MARA 207 Modern Standard Arabic for Heritage Speakers II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MARA 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course continues the introduction to the basic elements of Modern Standard Arabic. Students practise conversation skills through basic general topics. This course is designed for Arabic heritage speakers who have completed MARA 203 and/or learners who have basic introductory Arabic competence.

MARA 240 Intermediate Modern Standard Arabic I (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MARA 206 or MARA 207 or equivalent.

Description:

This course provides a review of the basic elements of Modern Standard Arabic and continues to develop the four language skills within their cultural context. Students prepare brief essays and oral presentations.

Component(s):

"Lecture"

MARA 250 Intermediate Modern Standard Arabic II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MARA 240 or equivalent.

Description:

This course is a continuation of MARA 240. It prepares intermediate language students in diverse aspects of reading, writing, and conversation. In addition to improving listening comprehension and speaking skills, this course places increased emphasis on reading and writing.

Component(s):

"Lecture"

MARA 301 Advanced Arabic (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MARA 250 or equivalent.

Description:

This course builds upon the student's foundation in the Arabic language. Students learn new grammatical structures and expand their vocabulary, while reviewing the grammatical structures acquired previously. Instruction builds particularly on the student's ability to respond to the works studied with advanced writing and oral strategies.

Component(s):

"Lecture"

MARA 308 Arabic for Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: MARA 250.

Description:

This course is designed to give intermediate and advanced students a solid foundation in business vocabulary, correspondence, and basic business practices, as well as the cultural concepts necessary to enable them to express themselves in the Arabic-speaking business world.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a MARA 398 number may not take this course for credit.

MARA 310 Introduction to the Literature of the Arab World (3 credits)

Description:

This course provides an introduction to the works of some of the major writers of contemporary Arabic culture. The course is taught in English and readings are in English translation.

Component(s):

"Lecture"

MARA 320 Modern Arabic Fiction (3 credits)

Description:

This course examines key developments in Arabic fiction related to the contemporary Arabic-speaking world with the aim of highlighting the distinctive texture of its experiences and identities. The chosen texts cover a wide range of topics and convey the complex and rich cultural diversity of the Arab World. The course is taught in English and knowledge of Arabic is not required.

MARA 365 Culture and Civilization of the Arab World: The Golden Age (3 credits)

Description:

This course provides an overview of the cultural history of the Arab world with an emphasis on the “Golden Age” (eighth to 13th century). Special attention is given to some topics at the core of this period, namely the intellectual dynamics, sciences and arts. The Arab civilization is put into the political, social and religious contexts that allowed it to emerge and flourish. This course is taught in English and no prior knowledge of Arabic is required.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MARA 365 under a different title may not take this course for credit.

MARA 367 Culture and Civilization of the Arab World: The Modern Age (3 credits)

Description:

This course presents a comprehensive survey of modern Arab culture, from the “Nahda” or “Revival” of the late-19th and early-20th to the 21st century. It discusses issues necessary to understand the modern Arab world including media and cinema, art, architecture, folklore, and food. The roles played by various minorities and the Arab youth are also studied. This course is taught in English and no knowledge of Arabic is required.

Component(s):

"Lecture"

MARA 398 Special Topics in Arabic Language and Culture (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

MARA 450 Arabic Women Writers (3 credits)

Description:

This course presents a detailed analysis of a selection of works of modern fiction, non-fiction, and poetry by female Arab writers. It explores modern Arabic women’s writing in relation to Arabic literary criticism and feminist theory. The majority of the course is devoted to analyzing texts originally written in Arabic but significant works by Arab women written in French and English are also discussed. This course is taught in English and no prior knowledge of Arabic is required. Advanced-level students — i.e. students placed at the 250 level or higher in Arabic language courses — must do the readings and/or submit their work in Arabic.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ENGL 398 or MARA 398 number may not take this course for credit.

MARA 480 Tutorial (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course provides students with the opportunity to study a topic of individual interest under the guidance of a faculty member.

Component(s):

"Tutorial"

Chinese (Modern) Courses

Note

The department reserves the right to transfer a student to a higher-level language course if it is deemed that the course for which the student has registered is not appropriate for the extent of his or her knowledge of the language.

MCHI 200 Introduction to Modern Chinese I (6 credits)

Description:

This course provides an intensive introduction to the basic elements of Chinese for the student with no knowledge of the language. Emphasis is on basic grammatical concepts, listening comprehension, and sound reproduction. Approximately 300 characters are studied.

Component(s):

"Lecture"

Notes:

- Lab practice is compulsory in addition to class time: two hours per week for six-credit sections.
- Students who have received credit for MCHI 205 may not take this course for credit.
- Students whose first language is Chinese, or who have received a substantial part of their education in Chinese, may not register for this course.

MCHI 206 Introduction to Modern Chinese II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MCHI 200.

Description:

This course continues the introduction to the basic elements of Chinese, adding approximately 300 further characters.

Component(s):

"Lecture"

Notes:

- Lab practice is compulsory in addition to class time: two hours per week for six-credit sections.
- Students whose first language is Chinese, or who have received a substantial part of their education in Chinese, may not register for this course.

MCHI 240 Intermediate Modern Chinese I (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MCHI 206 or equivalent.

Description:

The aim of this course is to consolidate the knowledge acquired in MCHI 200 and MCHI 206 and pursue communication skills on basic general topics in all competencies of the language, adding approximately 300 further characters.

Component(s):

"Lecture"

MCHI 250 Intermediate Modern Chinese II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MCHI 240 or equivalent.

Description:

This course is a continuation of MCHI 240. It prepares intermediate language students in diverse aspects of reading, writing, and conversation. In addition to improving listening comprehension and speaking skills, this course places increased emphasis on reading and writing.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an MCHI 398 number may not take this course for credit.

MCHI 306 Introduction to Translation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MCHI 240.

Description:

The emphasis of this course is placed on advanced grammar for the purposes of writing and translation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an MCHI 398 number may not take this course for credit.

MCHI 308 Chinese for Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MCHI 240.

Description:

This course provides students with marketable skills including linguistic competence, cross-cultural proficiency, and knowledge about business in China across a variety of fields.

Component(s):

"Lecture"

MCHI 310 Introduction to Modern Chinese Literature (3 credits)

Description:

This course provides an introduction to the works of some of the major writers of contemporary Chinese culture. The course is taught in English and reading materials are in English translation.

Component(s):

"Lecture"

MCHI 311 Classical Chinese Literature (3 credits)

Description:

Taught in English, this course introduces classical Chinese literature from 1500 BCE to the end of the 19th century in its historical and cultural setting. Covering the four major literary genres of poetry, prose, drama and fiction, students learn both key Chinese aesthetic concepts and Western critical theory, with a view to encouraging cross- and intercultural interpretations. Major works are read in English translation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an MCHI 398 number may not take this course for credit.

MCHI 365 Introduction to Chinese Cultural Traditions (3 credits)

Description:

This course is an introduction to the formation and traditions of Chinese culture. Topics may include Confucian and Taoist philosophy, literature, and the arts. This course is taught in English.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an MCHI 398 number may not take this course for credit.

MCHI 366 Chinese Visual Culture (3 credits)

Description:

Taught in English, this course introduces students to the traditions and achievements of Chinese visual culture. Employing contemporary critical approaches, students explore both mass and high cultures, with a primary focus on the development of Chinese painting from the 10th century to the present, with an emphasis on the interpretation of images.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an MCHI 398 number may not take this course for credit.

MCHI 398 Special Topics in Chinese Language and Culture (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

MCHI 399 Special Topics in Chinese Language and Culture (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

MCHI 480 Tutorial (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course provides students with the opportunity to study a topic of individual interest under the guidance of a faculty member.

Component(s):

"Tutorial"

German Courses

Note

The department reserves the right to transfer a student to a higher-level language course if it is deemed that the course for which the student has registered is not appropriate for the extent of his or her knowledge of the language.

GERM 200 Introductory German: Intensive Course (6 credits)

Description:

This course provides a comprehensive introduction to most of the basic elements of the German language for the student with no knowledge of German. Practice is provided through short readings, conversation, composition, and lab work.

Notes:

- Students who have received credit for GERM 201, GERM 202, or equivalent may not take this course for credit. This course covers the same material as GERM 201 and GERM 202.

GERM 201 Introductory German I (3 credits)

Description:

This course provides an introduction to the elements of the German language for the student with no knowledge of German. Practice is provided through short readings, conversation, composition, and lab work.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GERM 200 or equivalent may not take this course for credit.

GERM 202 Introductory German II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 201 with a grade of C or higher.

Description:

This course is a continuation of GERM 201 and completes the study of the basic elements of the German language. Practice is provided through short readings, conversation, composition, and lab work.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GERM 200 or equivalent may not take this course for credit.

GERM 230 Introduction to German Culture (3 credits)

Description:

This course offers a panoramic study of the major components of the culture of German-speaking countries from the Middle Ages to contemporary times. Attention is given to these countries' artistic, social, political, and economic life. This course is taught in English.

Component(s):

"Lecture"

GERM 231 German Literature in Translation (3 credits)

Description:

This course focuses on reading and discussion of 20th-century literary works and films from Germany, Austria, and Switzerland. Works translated from German are used. This course is taught in English, but advanced German students are encouraged to read the texts in German.

Component(s):

"Lecture"

GERM 240 Intermediate German: Intensive Course (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 200 or GERM 202 with a grade of C or higher.

Description:

This course provides a review of German grammar in a single term and furnishes additional details not dealt with in the introductory courses. Practice is provided through readings, discussions, and composition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GERM 241, GERM 242, or equivalent may not take this course for credit. This course covers the same material as GERM 241and GERM 242.

GERM 241 Intermediate German I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 200 or GERM 202 with a grade of C or higher.

Description:

This course provides a review of German grammar and deals with additional details not covered in the introductory courses. Practice is provided through short readings, discussions, and composition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GERM 240 or equivalent may not take this course for credit.

GERM 242 Intermediate German II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 241 with a grade of C or higher.

Description:

This course is a continuation of GERM 241. It completes the review of the grammar and includes additional details not covered in the introductory courses. Practice is provided through short readings, discussions, and composition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GERM 240 or equivalent may not take this course for credit.

GERM 260 German for Reading Knowledge (3 credits)

Description:

This course introduces the student to reading strategies, grammar, resources, and basic vocabulary and leads to a second-year reading knowledge of German in 13 weeks. This course is taught in English.

Component(s):

"Lecture"

Notes:

- Students registered in the German Minor program may not take this course for credit.

GERM 298 Selected Topics in German (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

GERM 301 Advanced Grammar and Composition I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 240 or GERM 242. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is designed to help students understand advanced aspects of German grammar and to provide practice in the correct and effective writing of German.

Component(s):

"Lecture"

GERM 302 Advanced Grammar and Composition II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 301.

Description:

This course continues the study of advanced aspects of German grammar and provides practice in the correct and effective writing of German by means of composition such as the summary, description, narration, argumentation, and essay.

GERM 305 Conversational German (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 240 or GERM 242 or equivalent.

Description:

This course is offered to non-native speakers of German. Its main goal is for students to improve their oral proficiency in German. This course aims to increase students' competence levels in listening, reading, and writing.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GERM 270 or 370 may not take this course for credit.

GERM 306 Introduction to Translation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 240 or GERM 242.

Description:

This course examines German and English grammar in a comparative context in order to provide a basis for translation between the two languages. It also aims to develop lexical and semantic knowledge of the German language through analysis of textual materials, with special focus on words and idiomatic expressions that are essential to clear and effective communication. Students translate short texts from a variety of fields, primarily from English to German.

Component(s):

"Lecture"

GERM 307 Translation Practice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 306.

Description:

This course continues the examination of German and English grammar in a practical context as a basis for translation between the two languages. It also enhances student lexical and semantic knowledge of the German language through

direct, practical experience in translation. Students improve their vocabulary and linguistic accuracy by exploring the range of meanings associated with particular structures and idiomatic expressions. Translation is primarily from English to German.

Component(s):

"Lecture"

GERM 308 German for Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 240 or GERM 242 or equivalent.

Description:

This course provides students with marketable skills including linguistic competence, cross-cultural proficiency, and knowledge about business in Germany across a variety of fields.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a GERM 398 number may not take this course for credit.

GERM 310 Introduction to Modern German Literature I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 301.

Description:

This course provides a general overview of the major authors and trends of German literature from 1750 to 1900 within an historical context.

Component(s):

"Lecture"

GERM 311 Introduction to Modern German Literature II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 301.

Description:

This course provides a general overview of the major authors and trends of German literature in the 20th century within an historical context.

Component(s):

"Lecture"

GERM 361 Topics in the Culture of German-Speaking Nations (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 240 or GERM 242.

Description:

Topics vary from year to year. Possible topics include German film; literature of the Counter-culture; Germany and the Holocaust; immigrant culture and its discourse; women's writing; popular culture; Medieval Germany: kings, castles, and minstrels; cultural diversity in German-speaking nations. Specific topics for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- Students may take this course twice for credit in their program provided the subject matter is different.

GERM 362 Modern Germany (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GERM 240 or GERM 242.

Description:

This course gives an overview of the developments in Germany throughout the 20th century. The emphasis of the course may vary from year to year with such topics as Germany between World War I and II, the formative years after WWII and the development of East and West Germany, and the unified Germany. Materials to be studied include historical and topical documents, film, video, and web-based resources.

Component(s):

"Lecture"

GERM 375 Outreach Experience Practicum (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course is designed to give the student practical experience related to German language and culture and/or German studies. It is designed to complement the student's academic program with outreach to the larger community in the form of organizing an event, working at an internship in a German cultural or educational institution of Montreal or similar. Students develop an outreach plan in consultation with the Department and produce a final report of their experience.

Component(s):

"Lecture"

GERM 398 Selected Topics in German (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

GERM 410 Cyborgs, Robots and Automata in German Literature, Film and Video Games (3 credits)

Description:

This course examines the figure of the android and explores representations of artificial beings in German literature, cinema, and video games. A focus is on issues of technology, art, gender, race, and class. Students receive insights into narrative constructions as well as ludology (including game history, design and reception) by exploring how video games challenge traditional models of understanding and approaching texts. The language of instruction is English, and no prior knowledge of the German language is required. Advanced-level students — i.e. students placed at the 300 level or higher in German language courses — must do the readings and submit their work in German.

Component(s):

"Lecture"

GERM 420 Of German Witches, Ghosts, Daemons and Vampires (3 credits)

Description:

This course explores how the strange, the magical, the supernatural and the uncanny (Das Unheimliche) are constructed in German texts from 1500 to the present. This course surveys a wide array of texts (novels, short stories, historical documents, fairy tales, films as well as video games) that deal with the phenomena of witches, ghosts, daemons and vampires. The language of instruction is English, and no prior knowledge of the German language is required. Advanced-level students — i.e. students placed at the 300 level or higher in German language courses — must do the readings and submit their work in German.

Component(s):

"Lecture"

GERM 440 Dandies, Flâneurs and Tricksters: Crossover Figures in Modernism and Pop Modernism (3 credits)

Description:

This course introduces international literature and film, mainly from the 20th and 21st centuries with a strong focus on young German authors associated with *Popliteratur*. Works focus on the perspective of particular literary characters who challenge established boundaries or on allegories of crisis. In addition to becoming acquainted with theoretical texts, students explore contemporary German identity narratives and their deep roots in the metaphysical tradition. The language of instruction is English, and no prior knowledge of the German language is required. Advanced-level students — i.e. students placed at the 300 level or higher in German language courses — must do the readings and submit their work in German.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course under an ENGL 398 or a GERM 498 number may not take this course for credit.

GERM 450 German Women Writers Across the Ages (3 credits)

Description:

This course investigates the changing literary and social roles of German women from the 18th to the 21st century. Selected readings of women's literary and cultural productions will also illustrate the history of gender coding from the period of *Empfindsamkeit* to the *fin de siècle*. In addition to examining cultural artifacts, such as novels, plays, screen scripts, paintings and advertisements, the course also offers an insight into the Women's movement (both in Eastern and Western Germany). An introduction to main concepts of gender theory provides the basis to analyze the variety of gender identities and representations. The language of instruction is English, and no prior knowledge of the German language is required. Advanced-level students — i.e. students placed at the 300 level or higher in German language courses — must do the readings and submit their work in German.

Component(s):

"Lecture"

GERM 480 Tutorial I (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course offers guided readings in German language and/or literature, to meet the student's individual needs. At least one major written assignment is required.

Component(s):

"Tutorial"

GERM 481 Tutorial II (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course offers guided readings in German language and/or literature, to meet the student's individual needs. At least one major written assignment is required.

Component(s):

"Tutorial"

GERM 482 Tutorial III (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course offers guided readings in German language and/or literature, to meet the student's individual needs. At least one major written assignment is required.

Component(s):

"Tutorial"

GERM 483 Tutorial IV (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course offers guided readings in German language and/or literature, to meet the student's individual needs. At least one major written assignment is required.

Component(s):

"Tutorial"

GERM 490 Honours Essay Tutorial (3 credits)

Prerequisite/Corequisite:

Honours status.

Description:

This course provides the honours candidate with the opportunity to prepare an extensive research essay, on a topic to be chosen by the candidate with the approval of a supervising member of the faculty of the German section.

Component(s):

"Tutorial"

GERM 498 Advanced Topics in German (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Italian Courses

Note

The department reserves the right to transfer a student to a higher-level language course if it is deemed that the course for which the student has registered is not appropriate for the extent of his or her knowledge of the language.

ITAL 200 Introductory Italian: Intensive Course (6 credits)

Description:

This course provides a comprehensive introduction to the Italian language, completing the fundamental aspects of grammar in one term.

Component(s):

"Lecture"

Notes:

- This course covers the same material as ITAL 201 and ITAL 202. Students who have received credit for ITAL 201 or ITAL 202 or ITAL 210 or ITAL 211 or ITAL 253 or ITAL 254 may not take this course for credit.

ITAL 201 Introductory Italian I (3 credits)

Description:

This course provides an introduction to the basic elements of Italian for the student with no knowledge of the language.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 200 or ITAL 210 or ITAL 211 or ITAL 253 or ITAL 254 may not take this course for credit.

ITAL 202 Introductory Italian II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 201 with a grade of C or higher.

Description:

The objective is to complete the study of fundamental aspects of Italian grammar.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 200 or ITAL 210 or ITAL 211 or ITAL 253 or ITAL 254 may not take this course for credit.

ITAL 210 Italian for Heritage Speakers I (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course provides an introduction to the basic elements of the Italian language and is designed for heritage speakers of Italian and/or students with some previous passive knowledge or exposure to the language, who wish to strengthen their linguistic knowledge of and skills in Italian. Emphasis is placed on grammar, reading and writing, vocabulary development, and exposure to the language and culture of Italian communities. Both oral and written expression are emphasized.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 200 or ITAL 201 or ITAL 202 or ITAL 253 or ITAL 254, or for this topic under an ITAL 298 number, may not take this course for credit.

ITAL 211 Italian for Heritage Speakers II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 210. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a continuation of ITAL 210 designed for heritage speakers of Italian and/or students with some previous passive knowledge or exposure to the language, who wish to strengthen their linguistic knowledge of and skills in Italian. Emphasis is placed on grammar, reading and writing, vocabulary development, and exposure to the language and culture of Italian communities. Both oral and written expression are emphasized.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 200 or ITAL 201 or ITAL 202 or ITAL 253 or ITAL 254, or for this topic under an ITAL 298 number, may not take this course for credit.

ITAL 240 Intermediate Italian: Intensive Course (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 200 or ITAL 202 or ITAL 211 with a grade of C or higher.

Description:

This course provides a review of Italian grammar in one term and deals with additional details not covered in the introductory course. Practice is provided through readings, discussions, and composition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 241 or ITAL 242 or ITAL 253 or ITAL 254 may not take this course for credit. This course covers the same material as ITAL 241 and ITAL 242.

ITAL 241 Intermediate Italian I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 200 or ITAL 202 or ITAL 211 with a grade of C or higher.

Description:

This course provides a review of Italian grammar and deals with additional details not covered in the introductory courses. Practice is provided through short readings, discussions, and composition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 240 or ITAL 253 or ITAL 254 may not take this course for credit.

ITAL 242 Intermediate Italian II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 241 with a grade of C or higher.

Description:

This course is a continuation of ITAL 241. It completes the review of the grammar and provides additional details not covered in the introductory courses. Practice is provided through short readings, discussions, and composition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 240 or ITAL 253 or ITAL 254 may not take this course for credit.

ITAL 298 Selected Topics in Italian (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ITAL 299 Selected Topics in Italian (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ITAL 301 Advanced Grammar and Writing I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 240 or ITAL 242 or ITAL 254 or equivalent with a grade of C or higher.

Description:

This course provides students with a thorough grounding in the essentials of Italian grammar, while revising and improving morpho-syntactic structures and syntax, as well as developing reading comprehension techniques, commentary writing skills, acquiring competence in essay writing and developing oral and aural skills. Aspects of Italian history, culture, and contemporary life are also introduced through readings, listening materials, videos and films and through the use of online technologies.

Component(s):

"Lecture"

ITAL 302 Advanced Grammar and Writing II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301 or equivalent.

Description:

This course continues to provide students with a thorough grounding in the fundamentals of Italian grammar. The course also focuses on using effective stylistic resources and formal conventions in writing, especially for essays and related texts. Aspects of Italian history, culture, and contemporary life are introduced through readings, listening materials, videos and films and through the use of online technologies.

Component(s):

"Lecture"

ITAL 303 Introduction to Academic Writing in Italian (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 240 or ITAL 242 or equivalent with a grade of C or higher.

Description:

This course offers a survey of the major rhetorical devices and methodological tools for the critical reading of literary and other texts, and for the production of academic essays in Italian. The course covers basic notions of narratology and rhetoric, as well as discourse analysis and critical thinking. Activities include close reading of texts and practical work in research and documentation, as well as the presentation of well-organized, analytical prose.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ITAL 398 number may not take this course for credit.

ITAL 305 Communicative Strategies and Oral Communication (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 240 or ITAL 242 or equivalent with a grade of C or higher.

Description:

The main goal of this course is to improve students' oral communication in Italian. The course also develops other language skills: listening, reading, and to some extent, writing.

Component(s):

"Lecture"

Notes:

- This course is offered to non-native speakers of Italian. Upon consultation with the Department, heritage speakers of Italian may receive permission to take this course for credit.
- Students who have received credit for this topic under an ITAL 398 number may not take this course for credit.

ITAL 306 Introduction to Translation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 240 or ITAL 242 or equivalent with a grade of C or higher.

Description:

This course examines Italian and English grammar in a comparative context to provide a sound basis for translation between the two languages. It also aims to develop lexical and semantic knowledge of the Italian language through analysis of textual materials. Students translate short texts from a variety of fields such as literature, business, journalism, politics, and science. Translation is primarily from English to Italian.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 256 or ITAL 257, or for this topic under an ITAL 398 number, may not take this course for credit.

ITAL 307 Translation Practice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 306 or equivalent.

Description:

This course is a continuation of ITAL 306. It deals with advanced problems and techniques of translation from Italian and into Italian.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 256 or ITAL 257, or for this topic under an ITAL 398 number, may not take this course for credit.

ITAL 308 Italian for Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 240 or ITAL 242 or ITAL 254 or equivalent with a grade of C or higher.

Description:

This course is designed to give intermediate-advanced level students a solid foundation in business vocabulary, correspondence, and basic business practices, as well as the cultural concepts necessary to enable them to express themselves in the Italian-speaking business world.

Component(s):

"Lecture"

ITAL 310 Survey of Italian Literature I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 240 or ITAL 242 or ITAL 254 or equivalent with a grade of C or higher.

Description:

This course examines the major authors and trends of Italian literature from its origins to the end of the 16th century.

Component(s):

"Lecture"

ITAL 311 Survey of Italian Literature II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 240 or ITAL 242 or ITAL 254 or equivalent with a grade of C or higher.

Description:

This course examines the major authors and trends of Italian literature from the beginning of the 17th century to the present.

Component(s):

"Lecture"

ITAL 351 Dramatic Representations in Italian Cinema and Culture (3 credits)

Description:

This course offers students the opportunity to understand contemporary Italian society through the works of filmmakers who examine the cultural, political and working environments of present-day Italy. The films are grouped thematically, covering politics, media, social changes, organized crime, terrorism, the workplace and the new challenges facing the younger generation of Italians. The language of instruction is English, and no prior knowledge of the Italian language is required. Advanced level students — i.e. students placed at the 300 level or higher in Italian — must hand in all their work in Italian.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ITAL 398 or FMST 398 number may not take this course for credit.

ITAL 361 Italy and Its Languages (3 credits)

Description:

This course provides an overview of the linguistic situation in present-day Italy, with attention to the structure of the Italian language and its dialects; regional, social, and communicative variations; linguistic minorities in Italy, and linguistic legislation in Italy. The language of instruction is English, and no prior knowledge of the Italian language is required. Advanced level students —i.e. students placed at the 300 level or higher in Italian — must hand in all their work in Italian.

Component(s):

"Lecture"

ITAL 365 Italian Civilization: Italy from Dante to Today (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 240 or ITAL 242 with a grade of C or higher.

Description:

This course aims at familiarizing students with the crucial moments of Italian history and the major issues characterizing Italian culture. The selected topics/artists/authors offer a unique opportunity to analyze and discuss issues related to the historical, political, and socio-cultural evolution of Italy from the Middle Ages to the present day.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 365 under a different title or for ITAL 366 cannot take this course for credit.

ITAL 367 Cultural Views of Italy (3 credits)

Description:

This course focuses on politics, literature, and the arts in Italy from Dante and the Italian Renaissance to the present. The language of instruction is English, and no prior knowledge of the Italian language is required. Advanced-level students — i.e. students placed at the 300 level or higher in Italian language courses — must submit their work in Italian.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ITAL 298 number may not take this course for credit.

ITAL 398 Selected Topics in Italian (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ITAL 399 Selected Topics in Italian (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ITAL 415 Dante and the Middle Ages (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301.

Description:

This course examines a selection of the works of Dante Alighieri and his contribution to the formation of the Italian language, literature and culture. It offers an introduction to Medieval literature and culture (including its historical, social and political context) by analyzing passages from the Vita Nuova, the Convivio, and the Divina Commedia.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 416 may not take this course for credit.

ITAL 422 Petrarch and Boccaccio (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301 or equivalent.

Description:

This course examines the origin and evolution of the early Italian novella. Petrarch and Boccaccio are studied as forerunners of humanism; emphasis is placed on Petrarch's Canzoniere and Boccaccio's Decameron.

Component(s):

"Lecture"

ITAL 427 Italian Humanism and the Renaissance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301 or equivalent.

Description:

This course deals with the rise of humanism and analyzes the Renaissance as a historical and cultural concept. References are made to the social, historical, and artistic trends in 15th- and early-16th-century Italy. Emphasis is on representative works of Alberti, Valla, Leonardo da Vinci, Pico della Mirandola and Machiavelli.

Component(s):

"Lecture"

ITAL 434 The Epic Tradition in Italy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301 or equivalent.

Description:

This course explores the nature and evolution of the chivalresque genre in Italy, mainly within the context of the 15th and 16th centuries, and with special emphasis on Ariosto and Tasso.

Component(s):

"Lecture"

ITAL 439 Romanticism in Italy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301 or equivalent.

Description:

This course examines the concept of Romanticism in Italy and its relation to Risorgimento. Emphasis is on representative works of Foscolo, Manzoni, and Leopardi. References are made to the role of leading political figures of the period.

Component(s):

"Lecture"

ITAL 446 Cultural Expressions in Italy from Neo-Realism to the Present (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301 or equivalent.

Description:

This course examines the debate on Neo-realism and looks at literary and cinematographic expressions. It also deals with the Neo-avanguardia movement and questions of gender and post-modernism. Emphasis is on Calvino, Sciascia, Fellini, Antonioni, and Eco. References are also made to the social and political reality of contemporary Italy.

Component(s):

"Lecture"

ITAL 450 Feminist Discourse in Italy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301 or equivalent.

Description:

This course studies the question of gender as a concept and traces its presence within the Italian cultural tradition from the Renaissance to the present. Representative works of figures such as Franco, Marinelli, de Fonseca Pimentel, Deledda, Aleramo, and Maraini are studied.

Component(s):

"Lecture"

ITAL 452 The Contemporary Italian Novel (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301.

Description:

This course offers a survey of the contemporary Italian novel, from the end of the 1980s to the present, while introducing the socio-historical context in which different trends arise and develop. Authors are chosen to provide significant examples of the main trends in Italian fiction writing.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ITAL 498 number may not take this course for credit.

ITAL 461 History of the Italian Language (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301.

Description:

This course examines the social, cultural and linguistic changes from the formation of the Italian vernaculars to the present day. This course also studies the most representative texts illustrating different medieval, Renaissance, and modern theories on the Italian language (Dante, Pietro Bembo, Alessandro Manzoni, and Pier Paolo Pasolini, for example).

Component(s):

"Lecture"

Notes:

- Students who have received credit for ITAL 461 under a different title or for ITAL 462 may not take this course for credit.

ITAL 463 Language, Politics and Ideology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ITAL 301.

Description:

This course examines the ideological and political appropriations of Italian as it developed into a standard and unified language from Dante to the present. It explores what motivated political powers to promote a specific type of language or a specific canon of Italian authors. Through a series of thematically arranged case studies, students are encouraged to reflect on the importance of language to understand social and cultural changes in Italy. Course topics may include language and cultural identity, language and politics, and language and gender.

Component(s):

"Lecture"

ITAL 480 Tutorial I (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course consists of guided readings in Italian language and/or literature, and is designed to meet the individual needs of advanced students. Assignments include written and oral criticism of the works studied.

Component(s):

"Tutorial"

ITAL 481 Tutorial II (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course consists of guided readings in Italian language and/or literature, and is designed to meet the individual needs of advanced students. Assignments include written and oral criticism of the works studied.

Component(s):

"Tutorial"

ITAL 482 Tutorial III (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course consists of guided readings in Italian language and/or literature, and is designed to meet the individual needs of advanced students. Assignments include written and oral criticism of the works studied.

Component(s):

"Tutorial"

ITAL 483 Tutorial IV (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course consists of guided readings in Italian language and/or literature, and is designed to meet the individual needs of advanced students. Assignments include written and oral criticism of the works studied.

Component(s):

"Tutorial"

ITAL 490 Honours Essay Tutorial (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course provides the honours candidate with the opportunity to prepare an extensive research essay, on a topic to be chosen by the candidate with the approval of a supervising member of the faculty of the Italian section.

Component(s):

"Tutorial"

ITAL 498 Advanced Topics in Italian (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ITAL 499 Advanced Topics in Italian (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Spanish Courses

Note

The department reserves the right to transfer a student to a higher-level language course if it is deemed that the course for which the student has registered is not appropriate for the extent of his or her knowledge of the language.

SPAN 200 Introductory Spanish: Intensive Course (6 credits)

Description:

This course provides a comprehensive introduction to the Spanish language, completing the fundamental aspects of grammar in one term.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SPAN 201 or SPAN 202 may not take this course for credit. This course covers the same material as SPAN 201 and SPAN 202.

SPAN 201 Introductory Spanish I (3 credits)

Description:

This course provides an introduction to the basic elements of Spanish for the student with no knowledge of the language.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SPAN 200 may not take this course for credit.

SPAN 202 Introductory Spanish II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 201 with a grade of C or higher.

Description:

The objective of this course is to complete the study of fundamental aspects of Spanish Grammar.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SPAN 200 may not take this course for credit.

SPAN 240 Intermediate Spanish: Intensive Course (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 200 or SPAN 202 with a grade of C or higher.

Description:

This course provides a review of Spanish grammar in a single term and furnishes additional details not dealt with in the introductory courses. Practice is provided through readings, discussions, and composition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SPAN 241 or SPAN 242 may not take this course for credit. This course covers the same material as SPAN 241 and SPAN 242.

SPAN 241 Intermediate Spanish I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 200 or SPAN 202 with a grade of C or higher.

Description:

This course provides a review of Spanish grammar and deals with additional details not covered in the introductory courses. Practice is provided through short readings, discussions, and composition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SPAN 240 may not take this course for credit.

SPAN 242 Intermediate Spanish II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 241 with a grade of C or higher.

Description:

This course is a continuation of SPAN 241. It completes the review of the grammar and includes additional details not covered in the introductory courses. Practice is provided through short readings, discussions, and composition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SPAN 240 may not take this course for credit.

SPAN 298 Special Topics in Spanish (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

SPAN 299 Special Topics in Spanish (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

SPAN 301 Grammar and the Process of Writing I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course offers a practical analysis of the conventions that govern grammar, spelling, punctuation, and syntax in Peninsular and Latin-American Spanish. It also focuses on the means of identifying, analyzing, and using effective stylistic resources in different forms of writing such as summaries, notes, journals, and short stories.

Component(s):

"Lecture"

SPAN 302 Grammar and the Process of Writing II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 301 or equivalent.

Description:

This course continues the practical analysis of grammar and focuses on using effective stylistic resources and formal conventions in writing, especially for essays and related texts.

Component(s):

"Lecture"

SPAN 303 Critical Reading of Hispanic Texts (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 301.

Description:

This course offers a survey of the major rhetorical devices and methodological tools for the critical reading of literary and other texts, and for the production of well-founded and persuasive writing in Spanish. The course covers notions of narratology and poetics, as well as discourse analysis and critical thinking. Activities include close reading of Hispanic texts and practical work in research and documentation, as well as the presentation of well-organized, analytical prose.

Component(s):

"Lecture"

SPAN 305 Communicative Strategies and Oral Communication for Non-Native Speakers (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course is offered to non-native speakers of Spanish only. Its main goal is for students to improve their oral production in Spanish. This course also encourages improved levels of competence in the other language skills: listening, reading, and to some extent writing.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SPAN 398 number may not take this course for credit.

SPAN 306 Introduction to Translation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course examines Spanish and English grammar in a comparative context in order to provide a sound basis for translation between the two languages. It also aims to develop lexical and semantic knowledge of the Spanish language through analysis of textual materials. Students translate short texts from a variety of fields such as literature, business, journalism, politics, and science. Translation is primarily from English to Spanish (some reference to French is included).

Component(s):

"Lecture"

SPAN 307 Translation Practice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 306 or equivalent.

Description:

This course continues the examination of Spanish and English grammar in a practical context as a basis for translation between the two languages. It also enhances the students' lexical and semantic knowledge of the Spanish language through direct, practical experience in translation. Students translate texts from a variety of fields, with a particular emphasis on business, finance, tourism, journalism, and the arts. Translation is primarily from English to Spanish (some reference to French is included).

Component(s):

"Lecture"

SPAN 308 Spanish for Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course is designed to give students a solid foundation in business vocabulary and basic business practices, as well as the cultural concepts necessary to enable them to function in the Spanish-speaking business world. Activities may include the elaboration of different types of business documents, oral group activities and simulations, and the development of strategies needed for comprehension through visual and/or aural material.

Component(s):

"Lecture"

Notes:

- Students registered in an Honours in Spanish, Hispanic Cultures and Literatures program may not take this course for program credit.

SPAN 310 Hispanic Literature from the 12th to the 17th Centuries (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course introduces students to medieval and early modern Hispanic literature by examining the complex roles of art and literature in the relationship between political expansion and cultural and ethnic heterogeneity.

Component(s):

"Lecture"

SPAN 311 Crisis and Introspection: Spanish Literature from the 18th to the 21st Centuries (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course introduces students to modern Spanish literature and examines the relationship between these cultural manifestations and Spain's difficult transition towards modernity, with special emphasis on the Generation of '98 and its role in the debates that culminated in the Spanish Civil War. Students are also introduced to literary analysis and its relation to socio-cultural issues through activities that may include small group discussions, close readings, short analytical papers, and essay exams.

Component(s):

"Lecture"

SPAN 320 Defining Difference in Spanish America: Literature from 1500 to 1880 (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course introduces students to the richly varied texts of colonial Spanish America and the early independence era. It examines how from its very beginnings Spanish-American discourse attempts to distinguish itself from Peninsular traditions throughout the various cultural eras and within its socio-political contexts. Readings include letters, chronicles, poetry, and essays. Activities may include critical reading, oral discussions and presentations, summaries, and brief essays.

Component(s):

"Lecture"

SPAN 321 Identity and Independence in Spanish America: Literature from 1880 to the Present (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course introduces students to the literature of the period following independence. It examines how the literature defines Spanish-American identities in urban and rural perspectives, in different genres and genders, throughout the cultural eras of the period, and within its socio-political contexts. Readings include poetry, essays, short stories, and excerpts from novels. Activities may include critical reading, oral discussions and presentations, summaries, and brief essays.

Component(s):

"Lecture"

SPAN 362 Cultures of Mexico, the Central American Region, and the Spanish Caribbean (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course introduces students to the cultural manifestations of the nations of these regions within an historical framework. Emphasis is on the interaction between the events that shape the area, the wide variety of cultures that arose there, and the forms of artistic endeavour through which the peoples express themselves. Mexico, Cuba, and Colombia are given special importance; the history and culture of the Dominican Republic, Venezuela, Puerto Rico, and the Central American countries are also highlighted. Activities may include oral discussions and presentations, analysis of written and visual texts, use of relevant Internet resources, summaries, and brief essays.

Component(s):

"Lecture"

SPAN 363 Cultures of the Southern Cone and the Andean Region (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course introduces students to the cultural achievements of the nations of the region within an historical framework. Emphasis is on the interaction between the events that shape the area, the wide variety of cultures that arose there, and the forms of artistic endeavour through which the many different peoples express themselves. Argentina, Peru, and Chile are given special importance; the history and culture of Uruguay, Ecuador, and Bolivia are also highlighted. Activities may include oral discussions and presentations, analysis of written and visual texts, use of relevant Internet resources, summaries, and brief essays.

SPAN 365 The History of Spanish Culture (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 240 or SPAN 242 or equivalent with a grade of C or higher.

Description:

This course examines important linguistic, literary, and artistic developments of Spanish culture as they relate to the invention, consolidation, and critique of a unique Spanish identity. Activities may include oral discussions and presentations, analysis of written and visual texts, use of relevant Internet resources, summaries, and brief essays.

Component(s):

"Lecture"

SPAN 371 Phonetics and Phonology of Spanish (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 301. If prerequisites are not satisfied, permission of the Department is required.

Description:

Students in this course gain knowledge to describe the sound system of Spanish and to contrast it with English. Practical applications stemming from this course include: (a) gaining awareness and improving one's Spanish pronunciation; (b) learning to efficiently perceive and describe different varieties of Spanish; and (c) learning to identify pronunciation problems of learners of Spanish as a foreign language.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SPAN 398 number may not take this course for credit.

SPAN 398 Special Topics in Spanish (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

SPAN 399 Special Topics in Spanish (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

SPAN 406 Medieval Iberian Literatures, 1100-1500 (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SPAN 303, SPAN 310.

Description:

This course examines the socio-cultural and artistic complexity of medieval Iberian cultures as well as how emerging institutions attempt to link artistic performance and expression to a nascent concern with Hispanic identity. Topics may include the social and political functions of oral poetry, public ritual, the growth of vernacular literature, the transition from artisan to artist, and the process of canon formation.

Component(s):

"Lecture"

SPAN 411 Early Modern Spanish Narrative, 1550-1700 (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SPAN 303, SPAN 310.

Description:

This course examines narrative texts from early modern Spain with an eye towards the relationship between the reader and an emergent mass culture. Through close textual analysis and critical discussion, students explore representative works by authors such as Cervantes, Quevedo, Alemán, and Zayas. Topics may include theories of reader reception, the role of censorship, the construction of gender, and the representation and critique of sexual, religious, and ethnic violence.

Component(s):

"Lecture"

SPAN 412 Drama and Poetry in Renaissance and Baroque Spain, 1500-1690 (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SPAN 303, SPAN 310.

Description:

This course focuses on varied modes of poetic performance, from street theater to courtly wit to the Comedia Nueva. Students also consider the conflictive role of poetry in the creation of an early modern subject of mass culture. Textual analysis and critical discussions focus on Spanish poets and playwrights such as Garcilaso, Lope, Góngora, Quevedo, Caro, Sor Juana, and Calderón de la Barca. Students examine the literary and political uses of pictorial perspective, the relationship between identity and theatricality, the aesthetic performance and institutional legitimization of sexual violence, among others.

Component(s):

"Lecture"

SPAN 415 Towards Modernity and Liberalism in Spain, 1808-1898 (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

This course examines the debates that arose during Spain's problematic transition towards cultural, political, and economic liberalism in the 19th century, from the outbreak of the Independence War against France until the fall of the Empire in the Americas. Content may vary from year to year and may include authors such as Zorrilla, Bécquer, Galdós, and Clarín. Topics may include competing visions of rationalism and Romanticism, the interplay of literary, scientific, and economic discourses, photography and new ways of seeing reality, and the relationship between the rise of the bourgeoisie and the reconceptualization of private space.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SPAN 416 or 417 may not take this course for credit.

SPAN 418 Cultural Conflicts and Modernity in Spain, 1898-1939 (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

This course examines the cultural and ideological conflicts that took place in Spain between the fall of the Spanish Empire and the Civil War. Through close readings and critical discussions of works by authors such as Unamuno, Ortega, García Lorca, and Buñuel, students consider topics that may include the ethics of violence in cultural conflict, the relationship between culture and ideology, the role of emotions in the shaping of national identity, and the tension between humanism and technical progress.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SPAN 419 may not take this course for credit.

SPAN 420 Dictatorship and Exile in Modern Spain, 1939-1975 (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

This course examines literary and cultural discourses in Spain during Franco's dictatorship. Content may vary from year to year and may focus on the literature produced under the dictatorship or in exile. Through close readings and critical discussions of works by authors such as Bergamín, Erice, Aub, and Matute, students consider topics that may include the impact of censorship on cultural history, cultural hegemony and exile, reactionary ideologies of modernity, and the role of silence and fragmentary discourse against official constructions of the nation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SPAN 419 may not take this course for credit.

SPAN 422 Spain in Transition: 1960 to the Present (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

This course examines Spanish literature in the context of the country's evolution towards cultural post-modernity, since the final years of Franco's dictatorship until today. Through close readings and critical discussions of works by authors such as Brossa, Goytisolo, Almodóvar, and the Novísimos group, students consider topics that may include the intertwining of official history and personal memory, the emergence of pop culture, the destabilization of modern identities, and nationalism at the turn of the century.

Component(s):

"Lecture"

SPAN 441 Romanticism and the Construction of Identity in Spanish America, 1820-1890 (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

This course examines Spanish-American literature and culture of the 19th century in terms of the efforts to define national character through discourses on nature, the peoples, history, and traditions. The relationship of these discourses with Romanticism, the role of the writer, and the image and function of the feminine are particularly examined. Students study representative works by authors such as Heredia, Sarmiento, Gómez de Avellaneda, and Hernández. Students are introduced to the formulation of critical discourse through a series of short essays and oral presentations.

Component(s):

"Lecture"

SPAN 442 Modernism: Modernity and Rebellion, Rupture and Innovation in Spanish-American Letters, 1880-1920 (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

Through the study of representative literary and other cultural texts, as well as the critical debates of the era (such as those concerning industrialization, U.S. hegemony and feminism), this course examines the various phases in the development of a Spanish-American consciousness towards modernity and cultural autonomy. Students study representative works by

authors such as Martí, Gutiérrez Nájera, Darío, Lugones, and some women authors of the period. Students are introduced to the formulation of critical discourse by writing a series of short essays and delivering oral presentations.

Component(s):

"Lecture"

SPAN 443 The Spanish-American "Boom" and its Predecessors, 1950-1980 (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

This course examines a selection of Spanish-American novels and essays of the period between approximately 1950 and 1975, known as the *Boom*. Through close textual analysis and a study of critical debates, the course considers literary and extra-literary issues representative of this period, including *lo real maravilloso* and magical realism as Latin-American specificities, the relationship between history and fiction, and the debate between regionalism and cosmopolitism. Authors studied may include Carpentier, García Márquez, Puig and Allende.

Component(s):

"Lecture"

SPAN 450 The Short Narrative in Spain and Spanish America (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

From its beginnings as an independent genre in the 19th century to the most recent minifiction, this course examines the short story in light of different theories of narratology, specifically as relating to the short narrative. Texts are taken from representative authors from either or both Spain and Spanish America, within their cultural context. Students are introduced to the formulation of critical discourse through a series of short essays and an oral presentation; students also write their own short fiction.

Component(s):

"Lecture"

SPAN 451 Dramatic Representations in Hispanic Cultures (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

This course introduces students to fundamental concepts in the study of Hispanic drama and film, as well as to wider issues of theatricality and performance. It deals with the cultural and historical relation between literature and the visual arts, and

presents some basic tools and techniques of research and criticism as related to Hispanic theatre and cinema. The course may include student representations of scenes from plays studied.

Component(s):

"Lecture"

SPAN 453 From Object to Subject: Women and Discourse in Spain and Spanish America (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

This course introduces texts from different historical periods from various theoretical perspectives. Particular attention is given to theoretical perspectives pertinent to Spain and Spanish America. The function of gender in Hispanic discourse, representation of women, and strategies of expression in women writers are some of the topics that may be examined.

Component(s):

"Lecture"

SPAN 455 Perspectives on the Teaching of Spanish (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SPAN 303.

Description:

This course provides students with basic knowledge of and structured practice in the principal approaches to the teaching of Spanish to speakers of other languages. Topics may include a selection of approaches to the teaching of Spanish, such as task-based learning, communicative methods, process writing, grammar for teachers of Spanish, the use of computer technology and Internet resources for the teaching of Spanish, the development of didactic material, as well as the incorporation of Hispanic cultural material.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SPAN 498 number may not take this course for credit.

SPAN 461 The History of the Spanish Language (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 371. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the historical and cultural evolution of the Spanish language. Topics to be considered may include the phonological and morphological development of Vulgar Latin, the development of variants between Peninsular and Spanish-American expression, and the dialogic and conflictive nature of linguistic change. In-class and take-home activities may include the translation of medieval and early modern Spanish texts into their modern equivalents.

Component(s):

"Lecture"

SPAN 462 Introduction to Spanish Linguistics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SPAN 303.

Description:

This course provides an introduction to the basic concepts and analytical techniques of linguistics as applied specifically to the Spanish language. It covers the main areas of Hispanic linguistics, including phonetics and phonology, morphology and syntax of the Spanish language. It may also cover topics related to semantics, pragmatics, dialectology, sociolinguistics and second language acquisition of Spanish. Activities include linguistic analysis of the sounds, words and sentences of Spanish, as well as comparisons to the structure of English and/or French when applicable. This course provides the basis for further study in the field.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SPAN 498 number may not take this course for credit.

SPAN 464 Current Issues in the Hispanic Cultures: Spanish America (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SPAN 301; SPAN 362 or SPAN 363, or equivalent.

Description:

This course explores current newsworthy events and affairs in the political, social, and cultural spheres of Spanish America as seen through various media sources such as newspapers, magazines, radio and television, and the Internet. It includes a systematic study of techniques of oral expression. As such, activities emphasize oral skills and may include team-based class work and presentations, brief summaries, journal, and oral exams. Format and content vary from year to year.

Component(s):

"Lecture"

SPAN 465 Current Issues in the Hispanic Cultures: Spain (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SPAN 301, SPAN 365.

Description:

This course explores current newsworthy events and affairs in the political, social, and cultural spheres of Spain as seen through various media sources such as newspapers, magazines, radio and television, and the Internet. It includes a systematic study of techniques of oral expression. As such, activities emphasize oral skills and may include team-based class work and presentations, brief summaries, journal, and oral exams. Format and content vary from year to year.

Component(s):

"Lecture"

SPAN 467 The Avant-Gardes in Spanish America and Spain and their Repercussions in the Arts (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

Starting from an introduction to major currents of the historical Avant-garde (1920-1940), such as Futurism, Cubism, Dadaism, and Surrealism, the course traces the impact of the avant-gardes throughout 20th-century Hispanic poetry and the visual arts. Students explore particular manifestations of these currents in the art and poetry of Spanish America (*Creacionismo* and *Negrismo*) and Spain (*la Generación del '27*). Emphasis is placed on the role of the artist-poet as engaged actor of radical change in all dimensions of social and political life.

Component(s):

"Lecture"

SPAN 469 Hispanic Poetry and Poetics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

This course examines poetic discourse in Hispanic culture. Through close readings and critical discussions of works by Spanish and/or Spanish-American poets, students consider topics that may include the rhetorical and linguistic strategies of poetic discourse, poetry as ideology, poetry and the body, and the relationship between poetry and other written and oral forms of discourse.

Component(s):

"Lecture"

SPAN 470 Spanish-American Testimonio Discourse (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SPAN 303; and SPAN 362 or SPAN 363; or equivalent.

Description:

This course offers a comprehensive study of the struggle between subaltern voices and mainstream culture, as manifested in *testimonio* discourse. The study includes an examination of the controversy surrounding *testimonio* with respect to its status as a literary genre and the question of appropriation of marginalized voices. Texts may include journalistic prose, essay, biography, and oral manifestations of subaltern groups. Authors may include Burgos/Menchú, Barnet/Montejo and Davis/Pablo.

Component(s):

"Lecture"

SPAN 471 The Art of Persuasion: the Hispanic Essay (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SPAN 303 or equivalent.

Description:

This course examines the genre of essay writing in Spain and/or Spanish America. A concise historical overview traces the development of this genre to the present. The study of different types of rhetorical strategies, discourse, and objectives in essay writing focuses on contemporary texts. Students learn to develop their own skills towards the writing of effective persuasive prose.

Component(s):

"Lecture"

SPAN 472 Discourses of Discovery, Colonization, and Resistance in Spain and Spanish America (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SPAN 303, SPAN 310.

Description:

This course examines the colonial subject as s/he appears in early modern articulations of the imperial centre and its relation to the colonial periphery, as well as in the emerging centres of Spanish America. Through close textual analysis and critical discussions of representative works by Peninsular and Colonial authors such as Columbus, Las Casas, Sor Juana and el Inca Garcilaso, students investigate topics that may include the rhetorical and legal tropes of discovery and their construction of an abject "other," the historical conditions that inform the chronicles of conquest, and strategies of cultural resistance employed by *criollo* and Amerindian subjects.

Component(s):

"Lecture"

SPAN 473 Literary Translation in Spanish (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SPAN 303. The following course must be completed previously: SPAN 306.

Description:

This course examines the history and principles of literary translation with reference to translation between the Spanish- and English-speaking worlds. Literary translations both from Spanish to English and vice versa are analyzed within a critical context, and students translate essays, short stories, and poetry into both languages. Equal attention is paid to Spanish and English stylistics.

Component(s):

"Lecture"

SPAN 474 Translation for Specific Fields (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SPAN 303. The following course must be completed previously: SPAN 306.

Description:

This course concentrates on the technical and stylistic elements of translation of texts from a variety of fields such as business, journalism, tourism, telecommunications, and international trade. Material to be translated includes actual texts, and activities involve analysis of translation strategies and of terminological challenges pertinent to effective written communication in each domain. Translation is from both Spanish to English and English to Spanish.

Component(s):

"Lecture"

SPAN 475 Translation Issues in Spanish American Culture (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SPAN 303. The following course must be completed previously: SPAN 306.

Description:

The goal of this course is to critically revise the cultural, literary, and aesthetic role of translation in Latin American culture, particularly with regard to its textual production. Through reading and discussion of theoretical authors such as F. Schleiermacher, J. Ortega y Gasset, L. Venuti, H. K. Bhabha, and W. Mignolo, students analyze representative texts of Latin American culture which practically and aesthetically incorporate different problems and/or strategies of translation in the transcultural context of a globalization process of more than five centuries.

Component(s):

"Lecture"

SPAN 480 Tutorial I (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course consists of guided readings in Spanish language and/or Hispanic literature, culture, and translation, to meet the individual student's needs.

Component(s):

"Tutorial"

SPAN 481 Tutorial II (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course consists of guided readings in Spanish language and/or Hispanic literature, culture, and translation, to meet the individual student's needs.

Component(s):

"Tutorial"

SPAN 482 Tutorial III (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course consists of guided readings in Spanish language and/or Hispanic literature, culture, and translation, to meet the individual student's needs.

Component(s):

"Tutorial"

SPAN 483 Tutorial IV (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course consists of guided readings in Spanish language and/or Hispanic literature, culture, and translation, to meet the individual student's needs.

Component(s):

"Tutorial"

SPAN 490 Honours Project (3 credits)

Prerequisite/Corequisite:

Honours status.

Description:

This course provides the honours candidate with the opportunity to prepare an extensive research project on a topic to be chosen by the candidate with the approval of a supervising member of the faculty of the Spanish section.

Component(s):

"Tutorial"

SPAN 498 Advanced Topics in Spanish (3 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

SPAN 499 Advanced Topics in Spanish (6 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Linguistics Courses

Note

The department reserves the right to transfer a student to a higher-level language course if it is deemed that the course for which the student has registered is not appropriate for the extent of his or her knowledge of the language.

LING 200 Introduction to Linguistic Science (3 credits)

Description:

This course provides an introduction to the principles of general linguistics for beginners in the field. There is an emphasis on synchronic linguistic analysis, with a brief examination of historical and comparative linguistics.

Component(s):

"Lecture"

LING 222 Language and Mind: The Chomskyan Program (3 credits)

Description:

This course uses language as a tool to examine the workings of the human mind. It approaches the study of language from the perspective of generative grammar as developed by Noam Chomsky and his collaborators. It deals with patterns of linguistic structure, rather than content or meaning. The goal of this course is to develop an understanding of the field of cognitive science (the study of knowledge and the mind/brain) and determine how linguistics fits in with disciplines like the study of vision, auditory perception and reasoning.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a LING 398 number may not take this course for credit.

LING 298 Selected Topics in Linguistics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

LING 300 Sociolinguistics (3 credits)

Description:

This course studies the beliefs, interrelationships, and values of societal groups as reflected in language.

Component(s):

"Lecture"

LING 315 Syntax (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 200 with a grade of C or higher.

Description:

This course introduces students to syntactic theory in the generative tradition. Topics include structure-building operations, constituency, a variety of movement phenomena, and the relationship between the lexicon and syntactic computation. The focus is on contemporary theoretical frameworks but the course also includes some discussion of how these developed from earlier theories.

Component(s):

"Lecture"

LING 322 Linguistics and Cognitive Science (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 222 or equivalent.

Description:

This course situates generative linguistics in the cognitive sciences by providing a survey of relevant topics from psychology, artificial intelligence, computer science, ethology, and philosophy.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a LING 398 number may not take this course for credit.

LING 330 Sanskrit (3 credits)

Description:

This course provides an introduction to the fundamentals of Sanskrit grammar. After developing a foundation, students are presented with a selection of short, original texts to read and translate.

Component(s):

"Lecture"

LING 335 Historical Linguistics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 200 with a grade of C or higher.

Description:

This course provides a survey of the primary tools and methods of historical linguistics. Change and mechanisms of change at the various levels of the grammar (phonological, morphological, and syntactic) are surveyed. The comparative method, including both subgrouping and reconstruction, is treated in detail.

Component(s):

"Lecture"

Notes:

- Students who have received credit for LING 420 may not take this course for credit.

LING 353 Psycholinguistics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 200 or equivalent. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course treats current issues in the experimental evaluation of linguistic theories, presenting both methodological concerns and empirical results. Topics covered include sentence processing, speech perception, lexical access and

language development.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a LING 398 number may not take this course for credit.

LING 361 Hittite (3 credits)

Description:

The fundamentals of Hittite grammar are presented through the extensive reading of texts, both in transliteration and cuneiform. Considerable attention is given to problems of comparative grammar.

Component(s):

"Lecture"

Notes:

- Students who have received credit for LING 461 may not take this course for credit.

LING 371 Semantics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 200 with a grade of C or higher.

Description:

This course introduces the basic notions required for formal analysis of meaning within a theory of language. The central objective is the development of a system for the representation of the logical structure of natural language. Contemporary works in linguistic semantics are critically examined.

Component(s):

"Lecture"

Notes:

- Students who have received credit for LING 320 may not take this course for credit.

LING 372 Descriptive and Instrumental Phonetics (3 credits)

Description:

Description of speech sounds in articulatory terms. Identification and description of sounds that occur outside the Indo-European family of languages. Description of speech sounds as to their acoustic qualities: frequency, amplitude, pitch, stress. Interpretation of sound spectrograms.

Component(s):

"Lecture"

LING 373 Phonology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 200 with a grade of C or higher.

Description:

This course examines the fundamentals of distinctive-feature analysis as developed by Jakobson, Chomsky, and Halle. Theoretical concepts and notational techniques are emphasized. Students receive extensive training in data analysis and rule writing.

Component(s):

"Lecture"

LING 380 Morphology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 373 or equivalent.

Description:

This course consists of a survey of linguistic morphology, the study of word structure, and the tools used to perform morphological analysis. The course also gives some consideration to the issues relating to a theory of morphology.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a LING 398 number may not take this course for credit.

LING 398 Selected Topics in Linguistics (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

LING 415 Advanced Syntax (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 315 with a grade of C or higher.

Description:

This course considers current developments in the field of syntactic theory and their application to phenomena such as control, movement out of islands and binding.

Component(s):

"Lecture"

LING 421 Non-Indo-European Structures (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: LING 315, LING 373.

Description:

This course is intended to give the student an in-depth acquaintance with the structure of a language which differs markedly from that of familiar Indo-European languages. The course involves working with a native speaker and/or from textual material.

Component(s):

"Lecture"

LING 425 Language Acquisition and Universal Grammar (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: LING 315, LING 373.

Description:

This course presents a survey of theoretical and empirical issues in the study of first language (L1) acquisition by children. Particular attention is paid to the role of Universal Grammar and innateness in explaining L1 acquisition, as well as to the significance of fundamental theoretical notions such as the competence/performance distinction.

Component(s):

"Lecture"

LING 435 Advanced Historical Linguistics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 335.

Description:

This course concentrates on the nature of language change, with an investigation into the relationship between theories of linguistic structure and theories of change. The theoretical foundations of contemporary methods in the study of language change are the central focus.

Component(s):

"Lecture"

Notes:

- Students who have received credit for LING 420 or for this topic under a LING 398 number may not take this course for credit.

LING 436 Indo-European Linguistics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 335 with a grade of C or higher; and LING 330 or LING 361 with a grade of C or higher. Students who have completed CLAS 201 or CLAS 203 with a grade of C or higher are permitted to substitute the LING 330 or LING 361 prerequisite requirement.

Description:

Detailed study of the synchronic and diachronic grammars of one or more Indo-European dialects essential to the reconstruction of the proto-language. Extensive readings are undertaken in both original texts and in scholarly contributions to their elucidation. Emphasis is placed on current issues and research in the field.

Component(s):

"Lecture"

LING 471 Advanced Semantics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 371 with a grade of C or higher.

Description:

This course explores advanced topics in the relationship between syntactic form and linguistic meaning. The course concentrates on formal analysis of linguistic meaning in the tradition of Model Theoretic Semantics. Students are required to read original journal articles in semantics as well as other source material that cover current areas of active research.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a LING 498 number may not take this course for credit.

LING 472 Advanced Phonetics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: LING 200 with a grade of C or higher, and LING 372 with a grade of C or higher.

Description:

Advanced study of speech processes. Topics may include waveform and spectral analysis, models of speech recognition, speech development, atypical speech and the relationship between production and perception and phonology.

Component(s):

"Lecture"

LING 473 Advanced Phonology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LING 373 with a grade of C or higher.

Description:

This course treats current issues in the theory of phonology, such as syllable structure, stress computation, vowel harmony and tonology. Critical readings from the current theoretical literature form the basis for discussion and study.

Component(s):

"Lecture"

LING 475 History of Linguistics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: LING 315, LING 373.

Description:

This course examines the history of linguistics, with a particular focus on the structuralist predecessors of contemporary linguistic theorists. Both North American and European schools of thought are considered. Extensive reading of fundamental texts is required.

Component(s):

"Lecture"

LING 477 Syntax-Semantics Interface (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: LING 315, LING 371 with a grade of C or higher.

Description:

This course discusses the interaction between syntactic structure and semantic interpretation. The course focuses both on identifying those aspects of structure and interpretation which are related (and on the mechanisms that mediate between the two) and on identifying the areas in which mismatches between structure and interpretation are found (and on possible accounts of these mismatches).

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a LING 429 number may not take this course for credit.

LING 490 Honours Tutorial (3 credits)

Prerequisite/Corequisite:

Enrolment in an Honours program is required.

Description:

This course provides students with the opportunity for advanced research in linguistics under the direct supervision of a faculty member. Students normally prepare a research paper on a topic chosen by the student and with the approval of the supervisor.

Component(s):

"Tutorial"

Notes:

- Students may take this course only once for credit.

LING 495 Tutorial (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course provides students with the opportunity to study a topic of individual interest under the guidance of a faculty member.

Component(s):

"Tutorial"

Notes:

- Students may take this course twice for credit provided the subject matter is different.

LING 498 Advanced Topics in Linguistics (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Non-program Courses

Hebrew Courses

Note

The department reserves the right to transfer a student to a higher-level language course if it is deemed that the course for which the student has registered is not appropriate for the extent of his or her knowledge of the language.

HEBR 210 Introductory Course in Hebrew (6 credits)

Description:

A beginners' course in Hebrew, with readings of classical and modern texts.

Component(s):

"Lecture"

Notes:

- Students who have taken Hebrew at the Cegep level, or whose schooling has been conducted in Hebrew, will not be admitted to this course.

HEBR 241 Intermediate Hebrew I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: HEBR 210. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course includes a comprehensive review of Hebrew grammar and syntax and deals with additional details not covered in the introductory course. Practice is provided through compositions and readings of classical and modern Hebrew texts.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HEBR 250 may not take this course for credit.

HEBR 242 Intermediate Hebrew II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: HEBR 241. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course continues the comprehensive review of Hebrew grammar and syntax, and deals with additional details not covered in the introductory course. Practice is provided through compositions and readings of classical and modern Hebrew texts.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HEBR 250 may not take this course for credit.

HEBR 310 Topics in Hebrew Literature (3 credits)

Description:

Topics for this course will vary; possibilities may include modern Hebrew literature, masterpieces and genres in Hebrew literature, and others. This course is taught in English.

Component(s):

"Lecture"

Notes:

- Please see the Undergraduate Class Schedule for details.

Modern Languages Courses

Modern Greek Courses

MGRK 290 Modern Greek (6 credits)

Description:

This course provides an introduction to the basic elements of modern Greek for the student with no knowledge of the language.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an MODL 399 number may not take this course for credit.

MGRK 398 Special Topics in Modern Greek (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Modern Languages Special Topics Courses

MODL 298 Special Topics in Modern Languages (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

MODL 299 Special Topics in Modern Languages (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

MODL 398 Special Topics in Modern Languages (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

MODL 399 Special Topics in Modern Languages (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

MODL 498 Advanced Topics in Modern Languages (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

MODL 499 Advanced Topics in Modern Languages (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Russian Courses

MRUS 201 Introductory Russian I (3 credits)

Description:

This course is designed for students with no knowledge of Russian and provides a comprehensive introduction to the basic grammatical structures and vocabulary of Russian. Both oral and written aspects of the language are presented and students acquire an ability to speak and understand simple Russian.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MRUS 290 may not take this course for credit.

MRUS 202 Introductory Russian II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MRUS 201 with a grade of C or higher.

Description:

This course is a continuation of MRUS 201 and advances the student's ability to read and write basic Russian. It adds further grammatical concepts and vocabulary to the study of the introductory elements of the Russian language.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MRUS 290 may not take this course for credit.

MRUS 290 Russian (6 credits)

Description:

This course provides an introduction to the basic elements of Russian for the student with no knowledge of the language.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RUSS 330, MRUS 201 or MRUS 202 may not take this course for credit.

MRUS 398 Special Topics in Russian (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Section 31.070 Department of Communication Studies

Department of Communication Studies

Communication Studies Programs
- Communication Studies Program Notes
- BA Specialization in Communication Studies
- BA Major in Communication Studies
- BA Major in Communication and Cultural Studies
- Communication Studies Course Lists

Department of Communication Studies Courses

Department of Communication Studies

Note

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/coms.html

Department Objectives

The Department of Communication Studies takes a broad approach to the study of media and communication. Its undergraduate programs provide students with the analytical, critical, and creative skills necessary in a communication- and information-rich world.

Facilities

The Department provides the necessary equipment and facilities to accommodate students in laboratory courses. These include production studios, Mac labs, field production equipment for video and film (H.D. and 16mm), editing suites for video and film, digital sound facilities (production and post-production), and intermedia laboratories. The Learning Centre provides resources for supporting media production and studies as well as computers for program students to use. The media gallery is also housed in the Learning Centre.

Department Admission Requirements

The Department of Communication Studies has distinct admission procedures for each of its programs, in addition to the normal admission process of Concordia University. The Department is prepared to receive applications as early as January. Interested candidates should obtain information about admission requirements by visiting the Department's website at concordia.ca/artsci/coms.

Graduate Work in Communication Studies: The Department offers a one-year Communication Studies Graduate Diploma for students who have completed their undergraduate degree in another field and who desire a concentrated introduction to Communication Studies. It offers an MA in Media Studies for those with an undergraduate degree in Communication Studies or a cognate field. It also offers a PhD in Communication Studies for those with a graduate degree in Communication Studies or a cognate field. For details, please refer to the School of Graduate Studies Calendar or contact the Department.

Communication Studies Program Notes

The Department offers three programs of study.

- **BA Specialization in Communication Studies:**This program consists of 60 Communication Studies credits with the remaining elective credits drawn from outside the Department. It provides students with training in a variety of media and an in-depth understanding of communicative processes and of the social, cultural, persuasive, and aesthetic aspects of media and communication.
- **BA Major in Communication Studies:** This program consists of 42 credits in Communication Studies with the remaining elective credits drawn from outside the Department. It provides students with training in a variety of media and an understanding of communicative processes and of the social, cultural, persuasive, and aesthetic aspects of media and communication.
- **BA Major in Communication and Cultural Studies:** This program consists of 42 credits in Communication Studies with the remaining elective credits drawn from outside the Department. It offers a strong theoretical and critical understanding of communicative processes and of the social, cultural, persuasive, and aesthetic aspects of media and communication. It does not offer media production.

BA Specialization in Communication Studies

Program Requirements

Specialization in Communication Studies (60 credits)

18 credits:

- COMS 205 Effective Communication Skills (3.00)
- COMS 220 History of Communication and Media (3.00)
- COMS 240 Communication and Media Theory (3.00)
- COMS 274 Communication Media: Intermedia I (3.00)
- COMS 276 Communication Media: Sound I (3.00)
- COMS 284 Communication Media: Moving Images I (3.00)

6 credits chosen from:

- COMS 305 Media Criticism (3.00)
- COMS 310 Media Genres (3.00)
- COMS 352 Media Policy in Canada (3.00)
- COMS 357 Media and Critical Theory (3.00)
- COMS 367 Media and Cultural Context (3.00)
- COMS 368 Media and Gender (3.00)
- COMS 369 Visual Communication and Culture (3.00)
- COMS 372 Theories of Public Discourse (3.00)
- COMS 373 Topics in Media and Cultural History (3.00)

33 credits chosen as follows:

a minimum of six credits and a maximum of 18 credits chosen from the list of Practicum Courses: Communication Studies

a minimum of 15 credits and a maximum of 27 credits chosen from the list of Studies Courses: Communication Studies at the 300 or 400 level, with at least nine credits at the 400 level

3 credits chosen from the lists of Studies Courses: Communication Studies or Practicum Courses: Communication Studies at the 400 level

Note: Students may not take more than one course from the list of Practicum Courses: Communication Studies in any one term at the 300 or 400 level

Notes

- Elective credits are understood as courses taken in other departments or Faculties of the University. Credits in Communication Studies or in the Mel Hoppenheim School of Cinema may not be used in lieu of electives.
- 200-level courses are normally taken in first year, 300-level courses in second year, 400-level courses in third year.
- Students are required to complete the appropriate entrance profile for entry into the program (see Section 31.002 Programs and Admission Requirements – Programs and Admission Requirements – Profiles).
- Students are responsible for satisfying their particular degree requirements.

BA Major in Communication Studies

Program Requirements

Major in Communication Studies (42 credits)

18 credits:

- COMS 205 Effective Communication Skills (3.00)
- COMS 220 History of Communication and Media (3.00)
- COMS 240 Communication and Media Theory (3.00)
- COMS 274 Communication Media: Intermedia I (3.00)
- COMS 276 Communication Media: Sound I (3.00)
- COMS 284 Communication Media: Moving Images I (3.00)

6 credits chosen from:

- COMS 305 Media Criticism (3.00)
- COMS 310 Media Genres (3.00)
- COMS 352 Media Policy in Canada (3.00)
- COMS 357 Media and Critical Theory (3.00)
- COMS 367 Media and Cultural Context (3.00)
- COMS 368 Media and Gender (3.00)
- COMS 369 Visual Communication and Culture (3.00)
- COMS 372 Theories of Public Discourse (3.00)
- COMS 373 Topics in Media and Cultural History (3.00)

15 credits chosen as follows:

a minimum of six credits and a maximum of 12 credits chosen from the list of Practicum Courses: Communication Studies

a minimum of three credits and a maximum of nine credits chosen from the list of Studies Courses: Communication Studies at the 300 or 400 level, with at least three credits at the 400 level

3 credits chosen from the lists of Studies Courses: Communication Studies or Practicum Courses: Communication Studies at the 400 level

Note: Students may not take more than one course from the list of Practicum Courses: Communication Studies in any one term at the 300 or 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Major in Communication and Cultural Studies

Program Requirements

Major in Communication and Cultural Studies (42 credits)

12 credits from Stage I: Communication and Cultural Studies

9 credits from Stage II: Communication and Cultural Studies

21 credits from Stage III: Communication and Cultural Studies

Stage I: Communication and Cultural Studies (12 credits)

12 credits:

- COMS 205 Effective Communication Skills (3.00)
- COMS 220 History of Communication and Media (3.00)
- COMS 225 Media Institutions and Policies (3.00)
- COMS 240 Communication and Media Theory (3.00)

Stage II: Communication and Cultural Studies (9 credits)

3 credits:

- COMS 325 Approaches to Research in Communication and Cultural Studies (3.00)

6 credits chosen from:

- COMS 305 Media Criticism (3.00)
- COMS 310 Media Genres (3.00)
- COMS 352 Media Policy in Canada (3.00)
- COMS 357 Media and Critical Theory (3.00)
- COMS 367 Media and Cultural Context (3.00)
- COMS 368 Media and Gender (3.00)
- COMS 369 Visual Communication and Culture (3.00)
- COMS 372 Theories of Public Discourse (3.00)
- COMS 373 Topics in Media and Cultural History (3.00)

Stage III: Communication and Cultural Studies (21 credits)

3 credits:

- COMS 425 Advanced Seminar in Cultural Studies (3.00)

18 credits chosen from the list of Communication Studies: Studies Courses at the 300 or 400 level, of which a minimum of nine credits must be at the 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

Communication Studies Course Lists

Practicum Courses: Communication Studies

Practicum courses in the Department focus on the development of creative media practices within the context of Communication Studies research based in the humanities and social sciences. These courses include weekly lectures, readings, critical analysis, workshops, seminars, screenings, and presentations. Firstyear courses include an average of three hours of creative laboratories per week. Second and thirdyear courses include an average of eight hours of creative labs and/or fieldwork per week.

- COMS 274 Communication Media: Intermedia I (3.00)
- COMS 276 Communication Media: Sound I (3.00)
- COMS 284 Communication Media: Moving Images I (3.00)
- COMS 374 Communication Media: Intermedia II (6.00)
- COMS 376 Communication Media: Sound II (6.00)
- COMS 384 Communication Media: Moving Images II (6.00)
- COMS 393 Communication Media: Special Topics (3.00)
- COMS 475 Communication Media: Intermedia III (3.00)
- COMS 477 Communication Media: Sound III (3.00)
- COMS 484 Communication Media: Moving Images III (3.00)
- COMS 491 Communication Media: Portfolio (3.00)
- COMS 493 Communication Media: Advanced Topics (3.00)

Studies Courses: Communication Studies

Studies courses in the Department offer theoretical and critical understandings of social, cultural, formal, and other aspects of human communication and media. These courses may include weekly lectures, readings, critical analyses, seminars, screenings, and presentations.

- COMS 205 Effective Communication Skills (3.00)
- COMS 220 History of Communication and Media (3.00)
- COMS 225 Media Institutions and Policies (3.00)
- COMS 240 Communication and Media Theory (3.00)
- COMS 301 Selected Topics in National Cinemas (3.00)
- COMS 304 Selected Topics in Film Studies (3.00)
- COMS 305 Media Criticism (3.00)
- COMS 307 Scriptwriting for Media (3.00)

- COMS 308 Selected Topics in Video (3.00)
- COMS 309 Studies in Documentary (3.00)
- COMS 310 Media Genres (3.00)
- COMS 319 Media Literacy (3.00)
- COMS 324 Communication Analysis of Environment (3.00)
- COMS 325 Approaches to Research in Communication and Cultural Studies (3.00)
- COMS 333 Games, Media and Culture (3.00)
- COMS 352 Media Policy in Canada (3.00)
- COMS 354 Youth and Media (3.00)
- COMS 355 Media and New Technology (3.00)
- COMS 357 Media and Critical Theory (3.00)
- COMS 360 Mass Media (3.00)
- COMS 361 Propaganda (3.00)
- COMS 362 Psychology of Communication (3.00)
- COMS 365 History of Sound Technology (3.00)
- COMS 367 Media and Cultural Context (3.00)
- COMS 368 Media and Gender (3.00)
- COMS 369 Visual Communication and Culture (3.00)
- COMS 370 Advertising and Consumer Culture (3.00)
- COMS 371 Public Relations: Principles and Problems (3.00)
- COMS 372 Theories of Public Discourse (3.00)
- COMS 373 Topics in Media and Cultural History (3.00)
- COMS 394 Communication Studies Apprenticeship I (3.00)
- COMS 395 Communication Studies Apprenticeship II (3.00)
- COMS 398 Selected Topics in Communication Studies (3.00)
- COMS 399 Selected Topics in Communication Studies (6.00)
- COMS 407 Advanced Scriptwriting for Media (3.00)
- COMS 410 Contemporary Sonic Media (3.00)
- COMS 411 Sexuality and Public Discourse (3.00)
- COMS 412 Discourses of Dissent (3.00)
- COMS 413 Cultures of Production (3.00)
- COMS 414 Production Administration (3.00)
- COMS 415 Advanced Topics in Photography (3.00)

- COMS 416 Advanced Media Criticism (3.00)
- COMS 418 Cultures of Globalization (3.00)
- COMS 419 Communication and Indigenous Media (3.00)
- COMS 420 Reception Studies (3.00)
- COMS 421 Communicative Performances and Interventions (3.00)
- COMS 422 Perspectives on the Information Society (3.00)
- COMS 423 Media Art and Aesthetics (3.00)
- COMS 424 Alternative Media (3.00)
- COMS 425 Advanced Seminar in Cultural Studies (3.00)
- COMS 426 Television Studies (3.00)
- COMS 427 Social Media Platforms and Policy (3.00)
- COMS 434 Advanced Topics in Film Studies (3.00)
- COMS 435 Advanced Topics in Documentary (3.00)
- COMS 437 Media Forecasting (3.00)
- COMS 453 Communication Ethics (3.00)
- COMS 455 Food, Media, and Culture (3.00)
- COMS 456 News, Media, and Power (3.00)
- COMS 460 Political Communication (3.00)
- COMS 461 Organizational Communication (3.00)
- COMS 462 Communication, Culture, and Popular Art (3.00)
- COMS 463 Semiotics (3.00)
- COMS 464 Race, Ethnicity, and Media (3.00)
- COMS 465 Rhetoric and Communication (3.00)
- COMS 468 Communication, Colonialism, and Decolonization (3.00)
- COMS 472 Communication Technologies and Gender (3.00)
- COMS 473 International Communication (3.00)
- COMS 496 Directed Study I (3.00)
- COMS 497 Directed Study II (3.00)
- COMS 498 Advanced Topics in Communication Studies (3.00)
- COMS 499 Advanced Topics in Communication Studies (6.00)

Department of Communication Studies Courses

COMS 205 Effective Communication Skills (3 credits)

Prerequisite/Corequisite:

Registration in a Communication Studies program is required.

Description:

This course introduces a range of foundational communication skills, with a focus on scholarly writing and research. Class readings, activities, and assignments explore the writing styles and modes of address typical to communications research and practice in diverse social, institutional, and cultural contexts.

Component(s):

"Lecture"; "Tutorial"

COMS 220 History of Communication and Media (3 credits)

Prerequisite/Corequisite:

Registration in a Communication Studies program is required.

Description:

This course examines communication and media from a comparative and historical perspective. Topics may include the transition from orality to literacy, the print revolution, the advent of modern visual and sonic media, and the creation of modern national and transnational publics through histories of colonialism and globalization. Assignments introduce methods of historical research.

Component(s):

"Lecture"; "Tutorial"

COMS 225 Media Institutions and Policies (3 credits)

Prerequisite/Corequisite:

Registration in Communication and Cultural Studies Major is required.

Description:

This course introduces students to the analysis of the institutional, political, and economic forces that shape the development of media in the 21st century.Attention is given to the ownership structures, corporate practices, and state policy interventions affecting media institutions in both the public and private sectors. A particular focus is given to the interrelations between cultural, multicultural, and communication policy interventions in the Canadian context.

Component(s):

"Seminar"

Notes:

- Students who have received credit for COMS 326 may not take this course for credit.

COMS 240 Communication and Media Theory (3 credits)

Prerequisite/Corequisite:

Registration in a Communication Studies program is required.

Description:

This course introduces some of the major theoretical traditions within the study of communication and media. Through close reading of key authors, lectures, and tutorials, and writing and essay assignments, students explore, evaluate, and learn how to apply different theoretical perspectives and concepts relevant to communication and media analysis.

Component(s):

"Lecture"; "Tutorial"

COMS 274 Communication Media: Intermedia I (3 credits)

Prerequisite/Corequisite:

Registration in a Major or Specialization in Communication Studies is required.

Description:

This course provides a theoretical and applied introduction to intermedia art and media practices such as remediation, design, animation, interactivity, installation, and performance. General emphasis is placed on the creative process, and proof-of-concept media creations, rather than “finished” media productions.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for COMS 256 may not take this course for credit.

COMS 276 Communication Media: Sound I (3 credits)

Prerequisite/Corequisite:

Registration in the Major or Specialization in Communication Studies is required.

Description:

This course introduces students to acoustic, analog, and digital components of sound systems. Students explore the communicational and aesthetic characteristics of sound, especially in everyday life contexts. Through practical exercises, students learn how to structure sound into creative aural forms using field recordings, vocal samples and other audio sources.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for COMS 278 may not take this course for credit.

COMS 284 Communication Media: Moving Images I (3 credits)

Prerequisite/Corequisite:

Registration in the Major or Specialization in Communication Studies is required.

Description:

This course provides a foundation in the creative, critical, and technical aspects of moving images, including an introduction to cinematography and editing. Through collaborative assignments, lectures, screenings, discussions and readings, students develop a range of production skills.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMS 280 and 282 may not take this course for credit.

COMS 298 Selected Topics in Communication Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

COMS 299 Selected Topics in Communication Studies (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

COMS 301 Selected Topics in National Cinemas (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course focuses on selected national cinemas. The analytic perspective of the course varies but may encompass such issues as cultural contexts; aesthetic conventions; economic and policy constraints; and the history of canons and their renewals.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a COMS 303 number may not take this course for credit.

COMS 304 Selected Topics in Film Studies (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

The topic of this course varies but may include such issues as film theories; the political economy of cinema; the analysis of particular periods in film history; the analysis of the films of particular directors and/or producers; film policies, or the relations between film, video, and television.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a COMS 302 number may not take this course for credit.

COMS 305 Media Criticism (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

Through lectures, discussions, readings, and critical analyses, this course offers students insight into the major schools and practices of media criticism. The course explores the relationships between formal, aesthetic, representational, sensory, and affective elements of media. Potential topics include the analysis of media texts such as films, novels, and video games and the analysis of digital culture including social media, AI systems, and platform economies.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMS 210 may not take this course for credit.

COMS 307 Scriptwriting for Media (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department. Registration in a Major or Specialization in Communication Studies is required. Submission of a sample of creative writing and subsequent approval by the instructor is required prior to enrolling.

Description:

This course is designed to provide knowledge of and practice in the forms and formats of scripts for media, including TV, film, graphic novels and video games. With an emphasis on formal structures, story construction,and plot development processes, the course also addresses character creation and the roles of tension, conflict, and resolution.

Component(s):

"Seminar"

COMS 308 Selected Topics in Video (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course investigates a variety of video practices from their origins to the present. These practices range from video as a political tool to commercial streaming, including video art and installation. Students gain an understanding of the critical and creative uses of video as a tool for communication and the role of video platforms in diverse cultural, commercial, and political contexts.

Component(s):

"Lecture"

COMS 309 Studies in Documentary (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course offers a survey of documentary genres in various media. Topics include the characteristic styles and forms of documentary, the function of documentary, and its relationship to truth and knowledge. The course consists of lectures, screenings, readings, critique, and discussion.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMS 306 and COMS 331 may not take this course for credit.

COMS 310 Media Genres (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course presents the concept of genre as a framework for the study of media. As a tool for cultural classification, genre allows for the identification of patterns, similarities, and differences in media texts. Topics may include the development of genre theory; the distinctive genres of particular media such as film, television, music, or video games; the affective and aesthetic qualities of familiar genres such as comedy, horror, or romance; and the analysis of emergent genres on social media.

Component(s):

"Lecture"

COMS 319 Media Literacy (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course develops a critical tool kit for evaluating media, their contents, their effects on audiences, and the social frameworks of interpretation. Students explore the benefits, drawbacks, and challenges of various media literacy tools, with a particular focus on contemporary digital and social media. Topics may include infotainment and influencer culture, disinformation and fake news, AI-generated content, digital toxicity and harm.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a COMS 398 number may not take this course for credit.

COMS 324 Communication Analysis of Environment (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course examines the built and natural dimensions of selected local, transnational, and/or global sites and considers how they reflect larger environmental concerns. Students learn to apply diverse communication and site-specific research methods such as close listening, sound walks, mapping, photography, field observation, and creative writing.

Component(s):

"Lecture"

COMS 325 Approaches to Research in Communication and Cultural Studies (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMS 225. Registration in Communication and Cultural Studies Major is required.

Description:

This course introduces some of the major qualitative research approaches used within Communication and Cultural Studies. Students learn to formulate research questions, choose the appropriate methodological tools, and interpret and report research findings. Students also learn how to evaluate the power dynamics and the ethical and political assumptions and consequences of differing research methods. Topics may include decolonized, feminist, and anti-ableist approaches to communication and cultural research.

Component(s):

"Seminar"

COMS 333 Games, Media and Culture (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course takes a critical approach to understanding the role of games as media and cultural objects. Students explore and learn to analyze games, play, and the gaming industry. The course offers opportunities for students to play, discuss, and experiment with games, as well as with media about games.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a COMS 298 or COMS 398 number may not take this course for credit.

COMS 352 Media Policy in Canada (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course introduces students to the fundamentals of media policy in Canada. Students acquire a critical framework for understanding key institutions and media policy that may include internet, social media, copyright, telecommunications, privacy, and data policy.

Component(s):

"Lecture"

COMS 354 Youth and Media (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course focuses on relationships between media and young people, including adolescents, youth, and children. Topics may include public perceptions of young people and media, youth media practices, and young people's media creation, consumption, use, and circulation.

Component(s):

"Lecture"

COMS 355 Media and New Technology (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course examines the emergence of new technologies in the field of communication from conceptual, theoretical, and practical perspectives. It explores diverse ways communication and information technologies shape politics, society and culture and the impact of technological development on the environment.

Component(s):

"Lecture"

COMS 357 Media and Critical Theory (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course focuses on key authors and readings in critical theory, including the work of the Frankfurt School, British Cultural Studies, structuralism, post-structuralism, and feminist, queer, and postcolonial and decolonial theories. A central concern is to understand the nature of power in modern media environments.

Component(s):

"Lecture"

COMS 360 Mass Media (3 credits)

Description:

The course examines the nature and forms of mass media, its social sources and uses, audiences, and effects. Issues such as media ownership and access, government and self-regulation, technological implications, ethics and accountability may be discussed.

Component(s):

"Lecture"

COMS 361 Propaganda (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course addresses propaganda as a phenomenon and a technique of mass persuasion and influence in public discourse and action. It develops a critical tool kit for understanding the history of propaganda and its impact on politics, entertainment, and consumer culture.

Component(s):

"Lecture"

COMS 362 Psychology of Communication (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course surveys a range of psychological processes within communicative acts. Through a variety of formats and analytical approaches, students explore topics such as perception and information processing, language development, influences on attitude/behaviour, and the meaning and use of verbal and non-verbal codes.

Component(s):

"Lecture"

COMS 365 History of Sound Technology (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course attends to technologies of sound amplification, transmission, recording and remixing, offering historical context and different ways to understand related social and economic conditions. The evolution of studio and field recording practices, changes in the production and consumption of music, and changes in the role of audio as a medium of cultural communication are analyzed. Attention is also given to sonic practices in cinema, DJ and sound-system culture, television, radio, and other forms of media.

Component(s):

"Lecture"

COMS 367 Media and Cultural Context (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course examines the contested notions of culture and diversity as they relate to interpersonal and mediated communication. It focuses on ways in which different cultural communities critique and access a range of cultural forms, on issues and challenges of cross-cultural communications, and on media representational practices, challenges, and problematics.

Component(s):

"Lecture"

COMS 368 Media and Gender (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course investigates how gender and sexuality are constructed, sustained and challenged in contemporary media. Using an intersectional approach, the course explores the entanglements of gender with race, class, sexuality, and ability to understand how structures of power shape media technologies and representations.

Component(s):

"Lecture"

COMS 369 Visual Communication and Culture (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course considers the status and function of images and visual media within diverse cultural and social domains. Through key theoretical readings and analysis of visual objects, the course may explore topics such as the power of images in media representations, the role of media technologies in creating visual knowledge, and the dynamics of social interaction in the contemporary era of image abundance.

Component(s):

"Lecture"

COMS 370 Advertising and Consumer Culture (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course critically examines the place of advertising in contemporary societies. Topics may include the analysis of advertising strategies, the construction of desire, the significance of advertising for the production and circulation of commodities, the role of advertising and consumption in the construction of social identity, and advertising effects as experienced individually or collectively.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMS 470 may not take this course for credit.

COMS 371 Public Relations: Principles and Problems (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course considers the principles and responsibilities of public relations, and critically examines specific problems and the processes and practices used to effect solutions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMS 471 may not take this course for credit.

COMS 372 Theories of Public Discourse (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course presents a variety of theoretical frameworks that inform the analysis of public communication. Emphasis is placed on cultural, political, and ideological interpretations. Concepts presented are drawn from a number of traditions including rhetoric, hermeneutics, post-structuralism, psychoanalysis, semiotics, and deconstruction.

Component(s):

"Lecture"

COMS 373 Topics in Media and Cultural History (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department.

Description:

This course offers an in-depth examination of specific periods or issues in media and cultural history. Selected topics focus on the development of media forms or cultural practices, as well as their social and political consequences. Historiographic research methods and theories are addressed.

Component(s):

"Lecture"

COMS 374 Communication Media: Intermedia II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMS 274. Permission of the Department is required.

Description:

This course provides further theoretical and applied exploration of intermedia art and media practices such as remediation, design, animation, interactivity, installation, and performance. General emphasis on creative process, and proof-of-concept media creations, rather than "finished" media productions.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for this topic under a COMS 399 number may not take this course for credit.

COMS 376 Communication Media: Sound II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMS 276. Permission of the Department is required.

Description:

This course explores myriad contemporary ways to communicate through sound. This involves hands-on, technical skill-building including audio production techniques associated with various media such as radio, video soundtracks, podcasts, music production and sound effects. Students develop critical awareness of the social and historical contexts of sound production and reception.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for COMS 378 may not take this course for credit.

COMS 384 Communication Media: Moving Images II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMS 284. Permission of the Department is required.

Description:

This course explores aesthetic, critical, and technical issues of moving images through the development of artistic voice, concept, and audience. Students explore visual and aural strategies through collaborative projects and hone skills in camera, lighting, sound and editing.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for COMS 385 or COMS 387 may not take this course for credit.

COMS 393 Communication Media: Special Topics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMS 274, COMS 276 or COMS 284 Submission of a portfolio and project proposal to instructor and permission of the Department is required prior to enrolling.

Description:

This course involves the development and creation of specialized projects in selected media genres and forms. Emphasis is placed upon conception, design, and execution of media works. Choice of media and types of forms and genres vary from year to year. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Notes:

- Students who have received credit for this topic under COMS 379 or 380 may not take this course for credit.

COMS 394 Communication Studies Apprenticeship I (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department. Registration in a Communication Studies program is required. Permission of the Department is required.

Description:

With approval from the BA program director, students are given the opportunity to work in the communications industry under the co-supervision of a faculty member and a media professional. Students may be accepted for an open apprenticeship position offered to the Department, or they may formulate a study proposal on their own initiative. In order to receive credit, such an apprenticeship proposal must be approved by the BA program director.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for COMS 494 may not take this course for credit.

COMS 395 Communication Studies Apprenticeship II (3 credits)

Prerequisite/Corequisite:

300-level courses, unless otherwise indicated, are open to students who have successfully completed 24 university credits or who have received permission from the Department. Registration in a Communication Studies program is required. Permission of the Department is required.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for COMS 394 may register for COMS 395.
  Students who have received credit for COMS 495 may not take this course for credit.

COMS 398 Selected Topics in Communication Studies (3 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

COMS 399 Selected Topics in Communication Studies (6 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

COMS 407 Advanced Scriptwriting for Media (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMS 307. Approval by the instructor is required. 400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course provides an in-depth approach to writing for media, including television, film, graphic novels and video games. Emphasis is placed upon the story development process in both fictional and non-fictional media production, focusing on aspects such as character, dialogue, and action, flashback schemas, and the role of backstory.

Component(s):

"Seminar"

COMS 410 Contemporary Sonic Media (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course investigates contemporary trends in the production, circulation and playback of sonic media with an ear towards identifying relations of power and creative influence. Topics may include hip-hop, sound systems, DJ culture, sampling, remixing, sound and gender, and pop music production. Students engage in the critical analysis of selected sound "texts" (e.g. music videos, podcasts, documentaries, and audio tracks) and are encouraged to bring their own knowledge and listening practices into the classroom.

Component(s):

"Seminar"

COMS 411 Sexuality and Public Discourse (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course analyzes the ways sexuality circulates in and as public discourse across a variety of media. The course explores how gender and sexuality are pronounced, embodied and negotiated within specific cultural contexts, through their intersection with race, class, ability, nationality, ethnicity, and age.

Component(s):

"Seminar"

COMS 412 Discourses of Dissent (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines the theories, forms and tactics of public discourses directed toward social change. Emphasis is placed upon the analysis of political protest, conflict and controversy, and mobilization in relation to specific media technologies and forms.

Component(s):

"Seminar"

COMS 413 Cultures of Production (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines the digital creator economy and creative industries as sites of active agency, negotiation, and constraint. Students learn how new technologies and political economies of communication impact cultural producers, analyzing issues such as labour rights, algorithmic recommendation, and platform power dynamics.

Component(s):

"Seminar"

COMS 414 Production Administration (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course focuses on the language, skills, and strategies necessary for producing media projects and events. Administration, organization, permits and permissions, fundraising, liability and contracts, team-building, distribution and writing are just a few of the areas that are examined as students learn the skills necessary to be a producer.

Component(s):

"Seminar"

COMS 415 Advanced Topics in Photography (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course explores photography as a communicative medium, focusing on its social, cultural, political, and performative dimensions. It examines key theoretical and historical literature, addressing the aesthetics, technology, and power dynamics of selected photographic images and practices. Students learn about the role that photography has played in the making of the modern world, including its remediation within contemporary digital culture.

Component(s):

"Seminar"

COMS 416 Advanced Media Criticism (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course explores the assumptions, methodologies, and vocabularies implicit in important schools of popular and academic media criticism across mulitiple media forms.

Component(s):

"Seminar"

COMS 418 Cultures of Globalization (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines the relationships between advancing communication technologies, economic globalization, and ongoing dynamics of migration and intercultural exchange in an increasingly interconnected world. Through analysis of key theoretical literature and selected case studies, the course explores topics such as cultural imperialism, diaspora media, theories of cultural hybridity vs. homogeneity, media piracy, cultural appropriation, cultural sovereignty, and cross-cultural audience reception.

Component(s):

"Seminar"

COMS 419 Communication and Indigenous Media (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines histories and practices of communication and media about and by Indigenous peoples in Canada. Topics may include histories of settler colonization in Canada and territorial land acknowledgements; legal frameworks, policies, and commissions (such as the 2015 Truth and Reconciliation Commission); representations of indigeneity and Indigenous people in popular media; and contemporary practices and self-representations of Indigenous media makers, producers, broadcasters, writers, and scholars.

Component(s):

"Seminar"

COMS 420 Reception Studies (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines recent theory and research trends in the area of media reception studies and audience agency. Topics may include discursive, institutional, observational, and ethnographic approaches through readings, discussion, and the design and execution of field research projects.

Component(s):

"Lecture"

COMS 421 Communicative Performances and Interventions (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines the performative dimensions of interventions in social and cultural issues. Topics may include the history of performance strategies, the social and political character of aesthetic interventions, and the role of different media technologies, platforms, and communicative contexts within performative practices.

Component(s):

"Lecture"

COMS 422 Perspectives on the Information Society (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course critically examines the political, social, and ethical dimensions of information and data within Canadian society and throughout the world. Placing the development of information technologies, networks, and economies in their socio-historical context, the course considers the relationship between information, media, and global communication and examines the role of national, regional, and global policy.

Component(s):

"Seminar"

COMS 423 Media Art and Aesthetics (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines the intersection of aesthetics and communication technologies, highlighting how new modes of circulation shape media creation, production, and consumption. Students may examine current trends and key concepts in media aesthetics and their relationship with environmental, cultural and political landscapes.

Component(s):

"Seminar"

COMS 424 Alternative Media (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines various alternatives to mainstream media, including community radio and video, independent film, and other historical and emergent trends. The course explores the concepts of mainstream and alternative as well as the relationship between alternative media and social practices.

Component(s):

"Seminar"

COMS 425 Advanced Seminar in Cultural Studies (3 credits)

Prerequisite/Corequisite:

Registration in the Communication and Cultural Studies Major is required. 400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course offers an intense examination of a prominent contemporary debate and/or issue within communication and cultural studies. Through selected readings and seminar discussion, students work toward the completion of a major research assignment.

Component(s):

"Seminar"

COMS 426 Television Studies (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines recent research focusing on television. Topics may include technological and industrial changes in television programming and distribution, audience activity, evolving genres and representational conventions, and labour conditions in the industry.

Component(s):

"Seminar"

COMS 427 Social Media Platforms and Policy (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course critically examines the cultures, economics and affordances of social media platforms. The development of social media platforms is also discussed in order to understand how global flows of technology and culture converge. This course also examines platform policy and governance.

Component(s):

"Seminar"

COMS 434 Advanced Topics in Film Studies (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course provides an in-depth study of a selected area of film studies.

COMS 435 Advanced Topics in Documentary (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course provides an in-depth study of selected film, video, sound and interactive documentary genres.

COMS 437 Media Forecasting (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines emerging trends in predictive analytics, algorithmic calculation, and generative Artificial Intelligence, focusing on their impact on user behaviour, and their social, cultural, and political consequences for governance, decision-making, and identity formation. The course explores theoretical approaches to new technologies, focusing on their technical and material aspects as well as their performative logic.

Component(s):

"Lecture"

COMS 453 Communication Ethics (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines issues of creative responsibility and ethical dimensions of media practice. Emphasis is placed upon the relationship between production and theory at the level of ethical responsibility. Topics may include ethical theories as applied to media, communication and information; the relationship of human values and technologies of information reproduction; and the possibilities of critical media practice.

Component(s):

"Seminar"

Notes:

- Students who have received credit for JOUR 216 or JOUR 317 may not take this course for credit.

COMS 455 Food, Media, and Culture (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

Food and water are essential to life and inform the articulation of identities, values, and cultures. This course addresses the critical role communication plays in framing contemporary food issues. Students develop skills to critically analyze the narratives and metaphors that scholars, artists, communication experts, educators, and activists draw on when addressing food, water and environmental concerns.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a COMS 435 number may not take this course for credit.

COMS 456 News, Media, and Power (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course explores how news is produced, accessed, and consumed within systems of media and power. It examines the structures, technologies, and conventions that shape the making and promotion of news, while also considering the potential impact of disinformation on news organizations and publics.

Component(s):

"Seminar"

COMS 460 Political Communication (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course examines relationships between forms of communication and political structures and processes. Topics include freedom of expression, the role of communication in mediating conflict, the place of deliberation and debate in democracy, political campaigns and advertising, and the relationship between styles of communication and models of governance.

Component(s):

"Seminar"

COMS 461 Organizational Communication (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course considers major approaches to organizational communication in relation to shifting patterns of power, inequality, and technological change. Topics include communication networks, organization culture, bureaucracy, systematically distorted communication, gendered communication, the impact of new communication technologies, and patterns of organizational dominance and resistance. Case studies of particular organizations are examined.

Component(s):

"Seminar"

COMS 462 Communication, Culture, and Popular Art (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course offers an advanced examination of popular culture. With attention to such phenomena as hit films and television shows, stars, influencers, fan cultures, and pop art, this course focuses on the formation of hierarchies of value in cultural forms. This course examines how some cultural products come to be celebrated while others are dismissed. It also considers social and political consequences of divisions of high and low culture.

Component(s):

"Seminar"

COMS 463 Semiotics (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course provides a detailed introduction to the semiotics of communication. The course considers the formal characteristics of signs and codes and examines how signs or texts produce meaning. Central to this course is the notion that sign-systems are fundamental to the production of knowledge and ideology. The course proceeds through lectures, an analytical reading of assigned texts, and student discussion and presentations.

Component(s):

"Seminar"

COMS 464 Race, Ethnicity, and Media (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course addresses practical and theoretical issues related to race and ethnicity in media. The course examines current debates and challenges to the field and deconstructs historical approaches to the representations, media frames, and systemic spaces in which race and ethnicity are constructed, lived, and contested. Topics may include anti-Black racism, Whiteness, technologies of colour, and anti-racism.

Component(s):

"Seminar"

COMS 465 Rhetoric and Communication (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course focuses upon communication as persuasive or as producing identification. Emphasis is placed upon the role of communication in civic affairs. Classical and contemporary approaches to rhetorical theory and criticism are examined.

Component(s):

"Lecture"

COMS 468 Communication, Colonialism, and Decolonization (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course critically examines histories of colonialism and post-colonialism as well as contemporary conditions and politics of decolonization within the context of media and communication studies. Topics may include post-colonial cultural theory; media, empire, and violence in neo-liberal times; discourses of development within communication theories and policies; Orientalism and the colonial gaze; anti-colonial media; and the ethics and politics of decolonizing communication studies in theory and practice.

Component(s):

"Lecture"

COMS 472 Communication Technologies and Gender (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course applies feminist theories to critique the impact and meanings of communication technologies in various spheres of cultural activity. The course examines the role of gender in technological development and technology-related practices through a range of feminist lenses while also interrogating popular notions of feminism, post-feminism, and masculinity, which often become embedded in technologies.

Component(s):

"Seminar"

Notes:

- Prior completion of a course in women's studies or gender studies at the university level is recommended.

COMS 473 International Communication (3 credits)

Prerequisite/Corequisite:

400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course explores historical and current parameters of international communication within the context of shifting global power/knowledge relations. Topics may include international broadcasting; transnational media ownership and distribution; shifting national media policies within the global regime; the application of theories of development and neo-colonialism for media research; international debates over the "right to communicate"; and media and international conflict.

Component(s):

"Seminar"

COMS 475 Communication Media: Intermedia III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMS 374. Permission of the Department is required.

Description:

This advanced course in intermedia theory and practice involves further engagement with analog and digital media, such as remediation, design, animation, interactivity, installation, and performance. The course emphasizes concept, process, and polish in the development of a portfolio-level work.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for COMS 474 or COMS 490 may not take this course for credit.

COMS 477 Communication Media: Sound III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMS 376. Permission of the Department is required. 400-level courses, unless otherwise indicated, are open to students who have successfully completed 48 university credits or who have received permission from the Department.

Description:

This course involves analysis and creation of substantial audio projects such as podcasts, long-form musical compositions, soundscape works, multi-layered soundtracks, and audio installations. Emphasis is placed on creative portfolio development and gaining hands-on experience with contemporary sound synthesis and editing techniques along with different kinds of sound systems.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for COMS 476 or COMS 478 may not take this course for credit.

COMS 484 Communication Media: Moving Images III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMS 384. Permission of the Department is required.

Description:

This course emphasizes the development of portfolio-quality creative work in moving images with a focus on cinematography, sound design, editing, distribution, aesthetic and critical aspects of digital moving image production and the professional field.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for COMS 485 or COMS 487 may not take this course for credit.

COMS 491 Communication Media: Portfolio (3 credits)

Prerequisite/Corequisite:

Successful completion of any second-year production course. Permission of the Department is required.

Description:

This advanced production course offers a sustained opportunity to develop one or more portfolio-quality media productions, either individually or in groups. Other topics may include CV design, grant-writing, and professional development.

Component(s):

"Lecture"; "Laboratory"

COMS 493 Communication Media: Advanced Topics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMS 374, COMS 376 or COMS 385. Submission of portfolio and project proposal to instructor and permission of the Department is required prior to enrolling.

Description:

This course involves the development and creation of specialized projects in selected media genres and forms. Emphasis is placed upon conception, design, and execution of media works. Choice of media and types of forms and genres vary from year to year. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"; "Laboratory"

COMS 496 Directed Study I (3 credits)

Prerequisite/Corequisite:

Registration in a Communication Studies program is required.

Description:

Towards the end of their second year, students enrolled in a Communication Studies program who have demonstrated scholarly and creative ability may be selected for major research or production in a communications area of special interest. During the third year, individually or in teams, the project is realized in close collaboration with faculty directors.

Component(s):

"Independent Study"

Notes:

- No more than six credits may be taken in Apprenticeships or Directed Study. The appropriate Cluster for Apprenticeship and Directed Study courses is determined by the course content as outlined in the student proposal.
- Students who have received credit for COMS 495 may not take this course for credit.

COMS 497 Directed Study II (3 credits)

Prerequisite/Corequisite:

Registration in a Communication Studies program is required.

Component(s):

"Independent Study"

Notes:

- No more than six credits may be taken in Apprenticeships or Directed Study. The appropriate Cluster for Apprenticeship and Directed Study courses is determined by the course content as outlined in the student proposal.
- Students who have received credit for COMS 496 may register for COMS 497.

COMS 498 Advanced Topics in Communication Studies (3 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

COMS 499 Advanced Topics in Communication Studies (6 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Section 31.080 Department of Economics

Department of Economics

Economics Programs

Analytical Economics

Minor in Analytical Economics

Economics

BA Honours in Economics

BA Specialization in Economics

BA Major in Economics

Minor in Economics

Other Related Programs

BComm Degree Program in Economics

Certificate and Minor in Business Studies

Economics Co-operative Program

Department of Economics Courses

Department of Economics

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/economics.html

Department Objectives

The Department aims to educate students in economics, both at the graduate and undergraduate level, and to contribute to the advancement of the discipline through research and teaching. Economists study the production, distribution, and consumption of goods and services — essential knowledge for today's business people and policy makers. Blending both theory and practical applications, the Department serves students preparing for related specialized professions (honours, specialization, co-operative) as well as those interested in a generalized understanding of the discipline (major, minor programs).

Minor in Analytical Economics

Program Requirements

Minor in Analytical Economics (24 credits)

3 credits chosen from:

- ECON 222 Statistical Methods II (3.00)
- GEOG 380 Ecological Economics (3.00)
- COMP 218 Fundamentals of Programming (3.00)

12 credits:

- ECON 301 Intermediate Microeconomic Theory I (3.00)
- ECON 302 Intermediate Microeconomic Theory II (3.00)
- ECON 303 Intermediate Macroeconomic Theory I (3.00)
- ECON 304 Intermediate Macroeconomic Theory II (3.00)

3 credits chosen from:

- ECON 318 Canadian Economic Policy and Institutions (3.00)
- ECON 319 International Economic Policy and Institutions (3.00)

3 credits:

- ECON 324 Economic Data Analysis (3.00)

3 credits chosen from:

- ECON 421 Econometrics I (3.00)
- ECON 423 Topics in Applied Econometrics (3.00)

Notes

- This program is intended for students in Science, Mathematics/Statistics, or Engineering.
- MATH 203 or MATH 209; MAST 221 or STAT 249; or equivalent are prerequisites for this program. ECON 201, ECON 203 and ECON 325 are waived as prerequisites only for those courses which are taken as part of the minor.
- Students are responsible for satisfying their particular degree requirements.

BA Honours in Economics

Program Requirements

Honours in Economics (60 credits)

12 credits from Stage I: Honours in Economics

24 credits from Stage II: Honours in Economics

24 credits from Stage III: Honours in Economics

Stage I: Honours in Economics (12 credits)

6 credits:

- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)

Note: Students exempted from ECON 201 and/or ECON 203 are required to replace these courses with ECON elective credits or GEOG 380 or COMP 218.

6 credits:

- ECON 221 Statistical Methods I (3.00)
- ECON 222 Statistical Methods II (3.00)

Note: Any equivalent six credits satisfy this component of the program.

Stage II: Honours in Economics (24 credits)

6 credits:

- ECON 301 Intermediate Microeconomic Theory I (3.00)
- ECON 302 Intermediate Microeconomic Theory II (3.00)

6 credits:

- ECON 303 Intermediate Macroeconomic Theory I (3.00)
- ECON 304 Intermediate Macroeconomic Theory II (3.00)

3 credits chosen from:

- ECON 318 Canadian Economic Policy and Institutions (3.00)
- ECON 319 International Economic Policy and Institutions (3.00)

3 credits:

- ECON 324 Economic Data Analysis (3.00)

6 credits:

- ECON 325 Mathematics for Economists I (3.00)
- ECON 326 Mathematics for Economists II (3.00)

Stage III: Honours in Economics (24 credits)

6 credits:

- ECON 401 Advanced Microeconomic Theory (3.00)
- ECON 403 Advanced Macroeconomic Theory (3.00)

6 credits:

- ECON 421 Econometrics I (3.00)
- ECON 422 Econometrics II (3.00)

12 credits of 400-level ECON elective courses

Notes

- Students interested in entering an honours program should consult their undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Calculus I is a prerequisite for many Economics courses. Students who have not taken or received an exemption for MATH 203 or MATH 209 or equivalent must take MATH 209 or equivalent as an elective within the first 30 credits of their degree.
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in Economics

Program Requirements

Specialization in Economics (60 credits)

12 credits from Stage I: Specialization in Economics

24 credits from Stage II: Specialization in Economics

24 credits from Stage III: Specialization in Economics

Stage I: Specialization in Economics (12 credits)

6 credits:

- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)

Note: Students exempted from ECON 201 and/or ECON 203 are required to replace these courses with ECON elective credits or GEOG 380 or COMP 218.

6 credits:

- ECON 221 Statistical Methods I (3.00)
- ECON 222 Statistical Methods II (3.00)

Note: Any equivalent six credits satisfy this component of the program.

Stage II: Specialization in Economics (24 credits)

6 credits:

- ECON 301 Intermediate Microeconomic Theory I (3.00)
- ECON 302 Intermediate Microeconomic Theory II (3.00)

6 credits:

- ECON 303 Intermediate Macroeconomic Theory I (3.00)
- ECON 304 Intermediate Macroeconomic Theory II (3.00)

3 credits chosen from:

- ECON 318 Canadian Economic Policy and Institutions (3.00)
- ECON 319 International Economic Policy and Institutions (3.00)

6 credits:

- ECON 324 Economic Data Analysis (3.00)
- ECON 325 Mathematics for Economists I (3.00)

3 credits chosen from:

any 300-level ECON elective course

- GEOG 380 Ecological Economics (3.00)
- COMP 218 Fundamentals of Programming (3.00)

Stage III: Specialization in Economics (24 credits)

3 credits chosen from:

- ECON 421 Econometrics I (3.00)
- ECON 423 Topics in Applied Econometrics (3.00)

21 credits of 400-level ECON elective courses

Notes

- Calculus I is a prerequisite for many Economics courses. Students who have not taken or received an exemption for MATH 203 or MATH 209 or equivalent must take MATH 209 or equivalent as an elective within the first 30 credits of their degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Economics

Program Requirements

Major in Economics (42 credits)

12 credits from Stage I: Major in Economics

18 credits from Stage II: Major in Economics

12 credits from Stage III: Major in Economics

Stage I: Major in Economics (12 credits)

6 credits:

- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)

Note: Students exempted from ECON 201 and/or ECON 203 are required to replace these courses with ECON elective credits or GEOG 380 or COMP 218.

6 credits:

- ECON 221 Statistical Methods I (3.00)
- ECON 222 Statistical Methods II (3.00)

Note: Any equivalent six credits satisfy this component of the program.

Stage II: Major in Economics (18 credits)

6 credits:

- ECON 301 Intermediate Microeconomic Theory I (3.00)
- ECON 302 Intermediate Microeconomic Theory II (3.00)

6 credits:

- ECON 303 Intermediate Macroeconomic Theory I (3.00)
- ECON 304 Intermediate Macroeconomic Theory II (3.00)

3 credits chosen from:

- ECON 318 Canadian Economic Policy and Institutions (3.00)
- ECON 319 International Economic Policy and Institutions (3.00)

- ECON 324 Economic Data Analysis (3.00)

3 credits chosen from:

any 300-level ECON elective course

- GEOG 380 Ecological Economics (3.00)
- COMP 218 Fundamentals of Programming (3.00)

Stage III: Major in Economics (12 credits)

12 credits of 400-level ECON elective courses

Notes

- Calculus I is a prerequisite for many Economics courses. Students who have not taken or received an exemption for MATH 203 or MATH 209 or equivalent must take MATH 209 or equivalent as an elective within the first 30 credits of their degree.
- Students are responsible for satisfying their particular degree requirements.

Minor in Economics

Program Requirements

Minor in Economics (30 credits)

6 credits from Stage I: Minor in Economics

12 credits from Stage II: Minor in Economics

12 credits from Stage III: Minor in Economics

Stage I: Minor in Economics (6 credits)

6 credits:

- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)

Note: Students exempted from ECON 201 and/or ECON 203 are required to replace these courses with ECON elective credits or GEOG 380 or COMP 218.

Stage II: Minor in Economics (12 credits)

6 credits:

- ECON 318 Canadian Economic Policy and Institutions (3.00)
- ECON 319 International Economic Policy and Institutions (3.00)

6 credits of 200- or 300-level ECON elective courses

Stage III: Minor in Economics (12 credits)

12 credits chosen from:

300- or 400-level ECON elective courses or from the following courses:

- GEOG 380 Ecological Economics (3.00)
- COMP 218 Fundamentals of Programming (3.00)

Notes

- Calculus I is a prerequisite for many Economics courses. Students who have not taken or received an exemption for MATH 203 or MATH 209 or equivalent must take MATH 209 or equivalent as an elective within the first 30 credits of their degree.

- Students are responsible for satisfying their particular degree requirements.

BComm Degree Program in Economics

Please see the BComm Major in Economics listed in Section 61.60 Economics.

Certificate and Minor in Business Studies

Certificate in Business Studies

Minor in Business Studies

See Section 61.140 Program Options for Non-Business Students.

Economics Co-operative Program

The Co-op Program

The Economics co-operative program is offered to students who are enrolled in the BA Honours in Economics or BA Specialization in Economics. Students interested in applying for the Economics co-op should refer to Section 24 Institute for Co-operative Education where a full description of the admission requirements is provided.

Academic content is identical to that of the regular program, but study terms are interspersed with three work terms.

Students are supervised personally and must meet the requirements specified by the Faculty of Arts and Science and the Institute for Co-operative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers, and the Institute for Co-operative Education is provided by the Economics co-op committee, which includes the student's advisors.

Please refer to Section 24 Institute for Co-operative Education for additional information.

C.Edge (Career Edge)

The Economics C.Edge option is offered through the Institute for Cooperative Education. Like the cooperative program, C.Edge allows students to gain practical experience through work terms related to their field of study. It is limited to one or two work terms. Students interested in applying for the C.Edge option should refer to Section 24 Institute for Cooperative Education where a full description is provided.

Department of Economics Courses

ECON 200 Economics and Social Issues (3 credits)

Description:

This course is intended to introduce students to economics. This course demonstrates how economics can be used to examine various social issues such as immigration, crime, addiction and pollution. The course also examines the data and policies associated with each issue as well as the insights and empirical findings offered by economics. Students are introduced to the economic way of thinking when examining each issue. No previous knowledge of economic concepts, graphs or mathematics is required.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ECON 302 or ECON 304, or for this topic under an ECON 298 number, may not take this course for credit.

ECON 201 Introduction to Microeconomics (3 credits)

Description:

This course covers basic concepts in microeconomics. Students are introduced to a university-level approach to supply and demand, elasticity, and consumer behaviour, as well as production theory, firm behaviour, and market structures. The role of government and the gains from trade are also examined.

Component(s):

"Lecture"

ECON 203 Introduction to Macroeconomics (3 credits)

Description:

An introductory analysis of aggregate economic activity. The focus is on the principles of determination of the level of employment, national income, real output, inflation, and international balance of payments. The course also analyzes the principles which govern trade relations among countries. These topics are integrated by a discussion of government monetary and fiscal policies to stabilize economic activity.

Component(s):

"Lecture"

ECON 221 Statistical Methods I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: Cegep Mathematics 311 or MATH 201 or MATH 206.

Description:

This course is an introduction to the statistical procedures commonly employed by economists. Topics may include probability and probability distributions, discrete and continuous random variables, descriptive statistics, sampling distributions, statistical estimation, confidence intervals and hypothesis testing.

Component(s):

"Lecture"

Notes:

- Credits earned from SOCI 212 or INTE 296 will not be counted towards the degree.
- Students who have received credit for BIOL 322, COMM 214, COMM 215, COMP 233, DESC 244, ENGR 371, GEOG 362, MAST 221 or MAST 333, PSYC 315 or PSYC 316, SOCI 212 and SOCI 213, or STAT 249 or STAT 250 may not take this course for credit.

ECON 222 Statistical Methods II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 221; MATH 203 or MATH 209; or equivalent.

Description:

This course is a continuation of ECON 221 and is an introduction to the classical linear regression model, with an emphasis on the model's assumptions and the properties and interpretation of the estimates derived from it. Consideration is also given to violations of the model's assumptions, the effects on the estimates and steps to remedy these violations. Topics may include model specification, heteroscedasticity, multicollinearity and indicator variables. Students are also introduced to the acquisition and preparation of appropriate datasets.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 333, PSYC 316 or STAT 250, or for any combination of MAST 221 and MAST 333, PSYC 315 and PSYC 316, or STAT 249 and STAT 250, may not take this course for credit.

ECON 251 Economic History Prior to the Industrial Revolution (3 credits)

Description:

This course is an introduction to the economic development of the Western world prior to the Industrial Revolution. The emphasis is on economic factors in history: evolution of economic systems, economic growth, development and regression within the context of changing institutional constraints. Interconnections among economic, social, and intellectual change are highlighted.

Component(s):

"Lecture"

ECON 252 Economic History After the Industrial Revolution (3 credits)

Description:

This course is an introduction to the main economic trends in the era of sustained growth and development which accelerated with the Industrial Revolution and continues to the present. The emphasis is on Europe with some coverage of North America and the colonial/ developing world.

Component(s):

"Lecture"

ECON 298 Selected Topics in Economics (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ECON 299 Selected Topics in Economics (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

ECON 301 Intermediate Microeconomic Theory I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203; MATH 203 or MATH 209 or equivalent.

Description:

This course introduces students to the basic microeconomic concepts that underlie consumer and firm behaviour, beginning with consumer choice theory and its role in the derivation of market demand. The course reviews the role of technology, revenue and cost functions as factors in the profit-maximizing behaviour of firms, as well as the determination of market equilibrium.

Component(s):

"Lecture"; "Tutorial"

ECON 302 Intermediate Microeconomic Theory II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ECON 301.

Description:

This course covers a wide range of topics, such as perfectly and imperfectly competitive markets, industrial concentration, factor markets, income distribution, and introductory game theory and its applications. The course also covers competitive general equilibrium, as well as welfare economics and uncertainty.

Component(s):

"Lecture"; "Tutorial"

ECON 303 Intermediate Macroeconomic Theory I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203; MATH 203 or MATH 209 or equivalent.

Description:

The course introduces basic aggregative models to explore different theories on the determination of national income, interest rates and exchange rates. Topics covered include the definitions and measurements of indicators of economic activity; the components of aggregate supply and aggregate demand; the supply and demand for money; and the dynamics of national debt and deficit. The role of macroeconomic policy, such as fiscal and monetary policy, is also examined.

Component(s):

"Lecture"; "Tutorial"

ECON 304 Intermediate Macroeconomic Theory II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ECON 303.

Description:

This course builds on the concepts developed in ECON 303 by introducing additional features to the basic models, such as the formation of expectations and attributes of the labour market, and then using these models to explore different theories concerning the determination and the evolution of major aggregate variables, economic growth and business cycles. The role of macroeconomic policy, with an emphasis on Canada, is also examined.

Component(s):

"Lecture"; "Tutorial"

ECON 311 Economic Development (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

The course investigates comparative economic development, with special attention to problems of capital formation, population growth, quality of labour force, and social and cultural attitudes towards economic modernization. Theories of economic development are evaluated in the context of the realities of historical patterns and the varying degrees of ability to achieve modernization.

Component(s):

"Lecture"

ECON 318 Canadian Economic Policy and Institutions (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course focuses on economic policies and institutions related to contemporary issues in the Canadian economy. It also teaches students to write governmental briefing notes on specific policy options. The course is guided by the application of economic principles to current and ongoing issues in Canadian economic policy circles. Topics may include the role of institutions, economic growth, the impact of debt and deficits, unemployment and inflation, demographic trends and immigration policy, climate change and environmental policy, and international and intra-provincial trade.

Component(s):

"Lecture"

ECON 319 International Economic Policy and Institutions (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course focuses on economic policies and international institutions related to contemporary issues in the global economy. It also teaches students to write governmental briefing notes on specific policy options. The course is guided by the application of economic principles to current and ongoing issues in international economic policy. Topics may include the role of international institutions (e.g., International Monetary Fund, United Nations), trade liberalization and protectionism, game theory and controversies in trade policies, economic development and reform in developing countries, and financial globalization.

Component(s):

"Lecture"

ECON 324 Economic Data Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203, ECON 222 or equivalent.

Description:

This course introduces students to the techniques of data retrieval, manipulation and analysis with particular emphasis placed on using a variety of national and international databases, database management, and spreadsheet and statistical software packages.

Component(s):

"Lecture"

ECON 325 Mathematics for Economists I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203; MATH 203 or MATH 209 or equivalent.

Description:

This course provides students with the fundamental mathematical tools necessary for economic studies and helps them develop a set of problem-solving and analytical skills. Topics may include linear models and basic matrix algebra, univariate calculus, exponential and logarithmic functions, comparative static analysis, and constrained and unconstrained optimization problems.

Component(s):

"Lecture"; "Tutorial"

ECON 326 Mathematics for Economists II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ECON 325.

Description:

This course covers mathematical tools necessary for advanced economic studies and provides students with a set of problem-solving and analytical skills. Topics may include implicit function theorem, multivariate calculus, constrained optimization with inequality constraints, envelope theorem and dynamic analysis.

Component(s):

"Lecture"; "Tutorial"

ECON 330 Economics in Practice (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course relies on concepts used in managerial economics, applied microeconomics, public economics, applied statistics, and industrial organization to examine how economists approach and think about real-world problems. The course is organized around the setting that students are employees of a consulting firm hired to provide timely advice on pressing issues.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 398 number may not take this course for credit.

ECON 331 Money and Banking (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course covers a variety of topics relating to money and the banking system within the Canadian banking institutional framework. This includes the nature, forms and economic role of money; monetary standards; markets, prices and the value of money; the payments system; financial markets; the determinants of the size and distribution of wealth portfolios; the measurement, composition and determinants of the money supply. Other topics may include the economic role of commercial banks and non-bank financial intermediaries, central banking, monetary policy and the international monetary system.

Component(s):

"Lecture"

ECON 332 Introductory Financial Economics I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203; MATH 203 or MATH 209 or equivalent.

Description:

This course is an introduction to investment issues. Topics may include consumption-savings decision under uncertainty, the allocation of savings from a portfolio perspective, securities markets, the historical record on risk and return, asset-pricing models, fixed income securities and behavioural finance.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMM 308 or for this topic under an ECON 398 number may not take this course for credit.

ECON 333 Introductory Financial Economics II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ECON 332.

Description:

This course is the continuation of ECON 332 with an emphasis on derivative products and risk management. Topics may include the role of derivatives in financial markets, binomial model of stock prices, BlackScholes pricing model, riskneutral pricing, exotic derivatives, regulatory environment for financial markets, Basel Accords, models of risk and recent financial crisis.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 398 number may not take this course for credit.

ECON 334 Economics of Fiscal and Monetary Unions (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course provides an overview of monetary unions, with a particular focus on the Eurozone. It examines the costs and benefits of adopting a common currency, as well as the design and coordination of monetary and fiscal policies, including austerity measures, within such unions. The course also analyzes the European sovereign debt crisis and explores the potential challenges and implications of a monetary union's dissolution. In addition, it considers the prospects for monetary integration among countries in Latin America, West Africa, East Asia, and within the BRICS group.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 398 number may not take this course for credit.

ECON 337 Public Sector Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course examines government fiscal activity within the context of a market economy. Rationale for public intervention is reviewed in terms of market failure and the consequent inefficiency in resource allocation. An overview of the spending and taxation policies in the Quebec-Canada context is presented. This is followed by an examination of topics such as public-spending growth, public goods, externalities and collective decision making.

Component(s):

"Lecture"

ECON 340 Population Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This is a course in the field of applied economics, with a focus on population economics. Topics may include the demographic transition, economic growth, population aging (and its impact on financial markets), health care and pension financing, labour migration, microfinance, environmental consequences, and optimal policy approaches.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 398 number may not take this course for credit.

ECON 350 Economic History of Canada (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course introduces the student to Canadian economic development focusing on the period after Confederation. The course treats the subject in a thematic, rather than a chronological, fashion and places emphasis on conflicting schools of thought and their reflection in government policies.

Component(s):

"Lecture"

ECON 361 Industrial Organization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course develops the relationship of the firm to various forms of market structure. The course focuses on the objectives of the corporation, corporate interdependence, and the government control of industry. A study of policy matters centres on anti-trust and corporate regulation, with respect to both the legislative and economic aspects.

Component(s):

"Lecture"

ECON 362 Economics of the Firm (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 222.

Description:

This course stresses the application of economic principles and methodologies to the decision-making process of the firm, with an emphasis on the role of risk and uncertainty. Topics include decision-making criteria, demand analysis and

estimation, cost analysis and estimation, pricing theory under various market structures, applied topics in pricing, and the impact of government on the firm. This course is primarily of interest to Commerce students, but is open to others as well.

Component(s):

"Lecture"

ECON 377 The Asia-Pacific Rim Economies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course analyzes the economic growth, industrial policies and crisis experiences of selected Asian economies. It provides an analysis of the policies and factors that have contributed to the economic transformation of these economies since World War II. It examines how these economies were affected by the Asian financial crisis in 1997 and their economic performance since then. The economic challenges that these economies are likely to face in the future may also be explored.

Component(s):

"Lecture"

ECON 379 The Irish Economy and the European Union (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course has a dual objective: to examine economic developments and recent growth in the Irish economy, and to examine the structure and importance of Ireland's participation in the European Union in a global and European context. Particular issues addressed are: high growth in developed economies, migration, taxation policy, integration and trade, currency areas and capital mobility.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 398 number may not take this course for credit.

ECON 381 Introduction to Labour Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

The general objective of this course is to acquaint the student with various theoretical and empirical issues in the area of labour economics. Particular emphasis is placed upon the relation between theoretical frameworks and their empirical counterparts in Canada. Topics include the theory of wage determination, the effects of minimum wages, human capital theory, the economics of discrimination, and the economics of the household.

Component(s):

"Lecture"

ECON 382 Industrial Relations I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

A study of the general and practical problems that arise in the labour field, such as collective bargaining, the legal framework for the settlement of industrial disputes, the weapons of industrial conflict; the labour movement; contemporary labour issues, such as automation, cost-push inflation, and structural employment.

Component(s):

"Lecture"

ECON 386 Economics of Human Resources (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

A study of recent contributions by economists to the understanding of and solution to social problems which society currently faces in the areas of crime, health, education, and welfare. In addition, specific federal and provincial governmental policies in these areas are analyzed with the standard tools of economics.

Component(s):

"Lecture"

ECON 391 Economics of the Environment (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

The subject of this course is environmental quality. It proceeds through an analysis of the relationships among the natural environment, economics, and institutions. The objective is to depict the problem of environmental quality as an economic problem whose solution demands major changes in economic, political, and legal institutions. Attention is also given to policies of collective environmental actions in which the effective management of common property resources is discussed.

The course concludes with a discussion of some broader issues, such as the consistency of improved environmental quality with continued economic and population growth.

Component(s):

"Lecture"

ECON 392 Urban Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203.

Description:

This course focuses on the basic issues of economic growth and stagnation, urban land use, the problems of the urban public economy, and special urban problems, such as transportation, congestion, poverty, housing, urban renewal, and zoning.

Component(s):

"Lecture"

ECON 393 Economics of Uncertainty (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 201, ECON 203, ECON 222.

Description:

This course focuses on the basic rules governing the application of statistical concepts such as means, variances, covariances, to the economic aspects of the problem of uncertainty. Applications in micro-economic analysis include economic aspects of insurance as well as issues in finance such as portfolio selection, efficient markets, and the capital-asset pricing models. Applications in macroeconomics include the analysis of business cycles and problems associated with the characterization of expectations as in models of inflation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 398 number may not take this course for credit.

ECON 398 Selected Topics in Economics (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ECON 399 Selected Topics in Economics (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ECON 401 Advanced Microeconomic Theory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 326. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines selected topics in microeconomic analysis such as general equilibrium analysis, welfare economics, the theory of the firm, factor pricing, and income distribution.

Component(s):

"Lecture"; "Tutorial"

ECON 403 Advanced Macroeconomic Theory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 304, ECON 326. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines selected topics in macroeconomic analysis such as the construction of models including the labour market, the goods market, and financial markets; the role of monetary and fiscal policies; classical, Keynesian, and post-Keynesian models.

Component(s):

"Lecture"; "Tutorial"

ECON 409 History of Early Economic Thought (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course covers the evolution of economic thought from the Greek philosophers up to (and including) Classical economics. It seeks to provide the student with an outline of the development of economic analysis in this period.

Component(s):

"Lecture"

ECON 410 History of Modern Economic Thought (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course covers the evolution of economic thought from the Historical School to modern controversies in economic reasoning, which includes a comparative treatment of Keynesian economics and Monetarism.

Component(s):

"Lecture"

ECON 413 Economic Growth and Fluctuations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course reviews various theories explaining the causes of economic fluctuations and the determinants of economic growth. It also examines issues relevant to macroeconomic stabilization policies.

Component(s):

"Lecture"

ECON 414 Economic Development: Policy Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course offers an advanced treatment of selected topics related to issues in economic development. Particular emphasis is placed on models of growth and structural change, such as the two-gap model, input-output analysis, and computable general equilibrium models. Trade and industrial policies, fiscal and financial policies, as well as public-sector policies including taxation, spending, and cost-benefit analysis are also discussed.

Component(s):

"Lecture"

ECON 421 Econometrics I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 324, ECON 325 or equivalent.

Description:

This course builds on the classical linear regression model as well as introducing time series models involving both stationary and non-stationary variables. Topics may include random regressors, method of moments estimation and a variety

of models involving simultaneous equations, VEC, VAR, ARCH, panel, qualitative and limited dependent variables. Students continue to build on their knowledge of data management and a statistical software package through the application of these concepts and theories.

Component(s):

"Lecture"; "Tutorial"

ECON 422 Econometrics II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ECON 421.

Description:

This course is intended for those interested in further developing their knowledge of econometrics and/ or those contemplating pursuing graduate studies in economics. It re-examines the properties, assumptions and interpretation of the classical linear regression model and the maximum likelihood model through the use of matrix algebra. Students continue to build on their knowledge of data management and a statistical software package through the application of these concepts and theories.

Component(s):

"Lecture"

ECON 423 Topics in Applied Econometrics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 324, ECON 325 or equivalent.

Description:

This course focuses on the development of skills in the analysis of both time-series and cross-sectional data. Time-series topics may include univariate stationary time series models, forecasting, unit-root theory, trend-stationarity, and testing and applications. Cross-sectional topics may include logit, probit and linear probability models. Students may also analyze large-survey microdata.

Component(s):

"Lecture"

ECON 425 Mathematics for Advanced Study in Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304, ECON 326.

Description:

This course gives students the requisite mathematical background for graduate studies in economics. Topics include algebraic methods, and static and dynamic optimization techniques needed for the study of economic theory and econometrics. Difference and differential equations are also examined.

Component(s):

"Lecture"; "Tutorial"

ECON 430 Transportation Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This is a course in the field of applied economics, with a focus on transportation economics. Topics may include the evaluation of the economic benefits of various transportation systems, the social costs of transportation, road pricing, government participation in transportation finance and urban planning, the redistributive and other economic effects of transportation investment.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 498 number may not take this course for credit.

ECON 432 Monetary Theory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course examines the nature of the Monetarist-Keynesian controversy and gives a critical appraisal of the IS-LM-AS model. Topics covered may include the term structure of interest rates, post-Keynesian theories of money supply and demand as well as issues in macroeconomic policy theory such as transmission mechanisms, policy coordination and implementation lags, and international constraints.

Component(s):

"Lecture"

ECON 433 Financial Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304, ECON 325 or equivalent.

Description:

This course introduces students to the theory and practice of finance as seen from the economist's point of view. In particular, it examines the following topics: the theory of decision making under uncertainty; the basic portfolio models, such as the Capital Asset Pricing Model (CAPM) and the Arbitrage Pricing Theory (APT); equilibrium aspects of financial markets, such as the role of arbitrage in the pricing of financial assets; the pricing of derivative securities, such as options.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 498 number may not take this course for credit.

ECON 436 The Economics of Taxation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course focuses on the effects of taxation on economic behaviour. Major topics considered include the excess burden of taxation in decisions to supply effort, savings and investment, the incidence of corporate taxation, and the design of commodity taxation. Among policy issues, topics such as tax evasion, and the taxation of multinational enterprises are examined.

Component(s):

"Lecture"

ECON 437 Economics of Public Expenditure (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course examines the economic consequences of public expenditure on the economy. Topics covered include public goods, externalities, the theory of welfare measurement, public investment criteria, pricing policy of public enterprises, public choice and intergovernmental fiscal relations.

Component(s):

"Lecture"

ECON 440 Market Design (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course focuses on the design and analysis of market mechanisms, which are concerned with how to construct rules for allocating resources and how to structure successful marketplaces. It draws on tools of game theory to identify why certain market rules or institutions succeed and why others fail. Topics may include matching markets, auctions, contracts, economic platforms and network effects. The main objectives of this course are to introduce students to some of the

fundamental concepts and ideas in the theory of market design and to connect this theory to real-life markets and to practical aspects of market design policy.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 498 number may not take this course for credit.

ECON 442 International Economics: Trade Theory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course examines the foundations of international trade, the origins of gains from trade, factor-price equalization, tariffs, Canadian trade policy, the role of trade in development, and economic integration.

Component(s):

"Lecture"

ECON 443 International Economics: Finance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course is an introduction to theory of national income determination in open economies with capital mobility. It includes analyses of balance of payments, exchange rate, and the role of monetary and fiscal policies under different exchange rate regimes. Among other issues covered are international policy coordination, optimum currency areas, and features of the international monetary system.

Component(s):

"Lecture"

ECON 450 Economic History (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course covers advanced topics in economic history with an emphasis on the application of economic theory to specific historical issues.

Component(s):

"Lecture"

ECON 461 Industrial Organization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302.

Description:

This course examines departures from the perfect competition paradigm to analyze economic behaviour in an industrial setting. An industry consists of a number of firms which interact strategically to maximize their profits. Topics addressed include measures of market structure, theories of oligopoly, effects of potential entry, product differentiation and advertising, technological change, vertical integration, and monopoly and merger issues.

Component(s):

"Lecture"

ECON 462 The Corporate Economy (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302.

Description:

This course investigates the nature and behaviour of the firm. Economic rationalizations are presented for organizing production within a firm. The economic effects of various organization structures are examined. Topics addressed include team production, contractual models of the firm, principal-agent theory, tournaments, and the relationship between managers, shareholders, and the outside market.

Component(s):

"Lecture"

ECON 463 Economics of Regulation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302.

Description:

This course is devoted to an examination of the economic aspects of governmental regulations. Besides a critical review of the economic theories of regulation, the spectrum of the existing regulatory network, and empirical investigations aimed at discerning cost-benefits, the course focuses on the process of regulatory reforms in all aspects of the Canadian economy.

Component(s):

"Lecture"

ECON 464 Game Theory, Information, and Economic Modelling (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This introductory course on game theory is a collection of mathematical tools to model and analyze strategic interactions in a variety of settings, from economic and social situations to politics and international relations. The course focuses on both non-co-operative and co-operative game theoretic modelling, in particular, strategic and extensive form games, Bayesian games, and coalitional games. Students learn to solve games using the concepts of dominant strategies, Nashequilibrium, subgame perfection, Bayesian equilibrium, and the core. Applications may include repeated games, auctions, bargaining, oligopoly games, entry deterrence, pricing strategies, and collusion.

Component(s):

"Lecture"

ECON 465 The Economics of Professional Sport (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This is a course in applied microeconomic theory. Various observations on the state of professional sports are explained using economic theory. Evidence of the statistical relevance of such explanations is also investigated. Issues addressed include the magnitude of the earnings of professional sports stars; the impact of free agency on competitive balance in sports leagues; the value of professional sports teams to cities, and whether such valuation justifies public subsidization of franchises or arenas.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 498 number may not take this course for credit.

ECON 481 Labour Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

The course deals with topics in labour economics using microeconomic concepts such as inter-temporal decision-making, uncertainty, moral hazard, adverse selection and market signalling. The following topics are covered: labour supply and demand, wage differentials, human capital theory, efficiency wages and implicit contracts.

Component(s):

"Lecture"

ECON 482 Economics of Personnel and Industrial Relations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

The main objective of this course is to describe how modern microeconomics and modern labour economics can be used to solve practical human resource and personnel issues. These include hiring and firing practices, optimal payment and compensation structure, unions and strike behaviour.

Component(s):

"Lecture"

ECON 483 Employment, Earnings and Labour Market Policies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course covers topics in labour economics from the macroeconomic perspective. The key topics include equilibrium unemployment, job search, wage determination mechanisms, labour income processes and labour mobility. The course also devotes a substantial amount of time to macroeconomic policy issues of the labour markets such as employment insurance, minimum wage and union.

Component(s):

"Lecture"

ECON 485 Health Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course introduces students to the role of economics in health, health care, and health policy. It surveys the major topics in health economics and forms an introduction to the ongoing debate over health care policy. Topics include the economic determinants of health, the market for medical care, the market for health insurance, the role of government in health care, and health care reform.

Component(s):

"Lecture"

ECON 491 Environmental Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302.

Description:

This course provides a survey, from the perspective of economics, of public issues regarding the use of environmental resources, ecosystems and the management of environmental quality. The course covers both conceptual and methodological topics with recent and current applications. It begins with an introduction to the theory and methods of environmental and natural resource economics and concepts of sustainable development. Then the emphasis is shifted to the optimal use of natural resources, both non-renewable resources (mineral and energy) and renewable resources, and the valuation of environmental resources. The last part of the course examines national and international environmental policy issues, including intergenerational equity and environmental ethics.

Component(s):

"Lecture"

ECON 492 Advanced Urban Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course examines geographic aspects of economies through the application of microeconomic theories. The objective of the course is to understand why, how and where cities are created and organized (or disorganized), and what types of remedies urban economics has to offer when market failure is present at a city level. Topics may include location choice, suburbanization, New Economic Geography, city-size distribution, geographic mobility, spatial sorting, and quality-of-life index.

Component(s):

"Lecture"

ECON 493 Regional Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course introduces the student to the methods and techniques of regional economic analysis, and their application to the problems of regional economies within Canada. Among the micro-economic topics covered are the location behaviour of firms and households, and the factors determining the allocation of land among alternative competing uses. Macroeconomic topics include the measurement and analysis of regional income and growth levels, cyclical changes in those levels, and interregional differences in growth rates. Policy problems pertinent to Canadian regions are stressed throughout the course.

Component(s):

"Lecture"

ECON 496 Natural Resource Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course focuses on the problems of the finiteness of the natural resources base in Canada and in the world, and on an analysis of the demand for and supply of natural resources and energy. The course also discusses the economic aspects of a selected group of conservation measures (financial incentives, reallocation of property rights, regulation).

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ECON 498 number may not take this course for credit.

ECON 497 Income Distribution and Economic Inequality (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ECON 222, ECON 302, ECON 304.

Description:

This course examines the extent and dimensions of economic inequality among households both domestically and internationally. Topics covered include theories of income inequality, wealth inequality, recent trends in polarization, poverty, intergenerational bequests, the welfare state, and the role of government economic policy.

Component(s):

"Lecture"

ECON 498 Advanced Topics in Economics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

ECON 499 Advanced Topics in Economics (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.090 Department of Education

Department of Education

Education Programs
- Education Program Notes
- BA Specialization in Early Childhood and Elementary Education
- BA Major in Child Studies
- Minor in Education

Section 31.090.1 Teaching English as a Second Language Programs
- Teaching English as a Second Language Program Notes
- BEd Specialization in Teaching English as a Second Language
- Minor in Teaching English as a Second Language
- Certificate in the Teaching of English as a Second Language

Section 31.090.2 Adult Education Programs
- Minor in Adult Education
- Certificate in Adult Education

Department of Education Courses

Department of Education

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/education.html

Department Objectives

The Department of Education offers general undergraduate programs as well as two teacher-training programs. The general programs focus on educational issues for lifelong learning, while the teacher-training programs are specifically for Early Childhood and Elementary Education and the Teaching of English as a Second Language. Students receive expert supervision in their field placements and are carefully guided in their methods courses. The Department values creativity and innovation in the teaching learning environment and instills in its students a sense of responsibility with respect to equality, diversity and non-discrimination.

Education Program Notes

- For Teaching of English as a Second Language, see Section 31.090.1 Teaching English as a Second Language; for Adult Education, see Section 31.090.2 Adult Education.
- For other programs which may be of particular interest to teachers, see Section 23 Teacher Training and Teacher Certification.
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in Early Childhood and Elementary Education

Program Requirements

Specialization in Early Childhood and Elementary Education (120 credits)

93 credits from Group A: Specialization in Early Childhood and Elementary Education

6 credits from Group B: Specialization in Early Childhood and Elementary Education

21 credits from Group C: Specialization in Early Childhood and Elementary Education

Note: Students must take all Group A and Group B courses in the Early Childhood and Elementary Education (ECEE) program at Concordia. For Group C courses, students must have a valid reason for taking courses at another university and must obtain permission from the director of the ECEE program regarding any substitutions.

Group A: Specialization in Early Childhood and Elementary Education (93 credits)

93 credits:

- ARTE 201 Art in Early Childhood I (3.00)
- EDUC 210 Psychology of Education (6.00)
- EDUC 211 Child Development I (3.00)
- EDUC 222 Exploring Movement with Children (3.00)
- EDUC 260 Historical and Current Curriculum Models for Early Childhood and Elementary Education (3.00)
- EDUC 264 Communication: Child, Parent and Teacher (3.00)
- EDUC 294 Prekindergarten Internship and Seminar (6.00)
- EDUC 297 Internship II: Observation and Evaluation in Education (3.00)
- EDUC 301 Integrating Computers into the Elementary Classroom (3.00)
- EDUC 311 Child Development II: Ecology of the Family (3.00)
- EDUC 356 Teaching Culture and Citizenship in Quebec (3.00)
- EDUC 380 Teaching Language Arts I (3.00)
- EDUC 381 Teaching Language Arts II (3.00)
- EDUC 382 Teaching Science Concepts in the Elementary Classroom (3.00)
- EDUC 384 Teaching Social Studies in Elementary Schools (3.00)
- EDUC 386 Teaching Mathematics I (3.00)
- EDUC 387 Teaching Mathematics II (3.00)
- EDUC 388 Teaching Mathematics III (3.00)

- EDUC 395 Internship III: Kindergarten Teaching (3.00)
- EDUC 396 Kindergarten Teaching Seminar (3.00)
- EDUC 400 Teaching Across the Curriculum (3.00)
- EDUC 445 Education in Quebec (3.00)
- EDUC 450 The Inclusive Classroom: Educating Exceptional Children (3.00)
- EDUC 454 Diversity in the Classroom (3.00)
- EDUC 493 Internship IV: Primary Teaching (3.00)
- EDUC 494 Primary Teaching Seminar (3.00)
- EDUC 495 Internship V: Upper Elementary Teaching (3.00)
- EDUC 496 Upper Elementary Teaching Seminar (3.00)
- TESL 231 English Grammar for Teachers (3.00)

Note: The following internships are graded as pass/fail: EDUC 395, EDUC 493 and EDUC 495.

Group B: Specialization in Early Childhood and Elementary Education (6 credits)

6 credits chosen from:

- EDUC 230 Introduction to Philosophy of Education (3.00)
- EDUC 304 Play in Childhood Settings (3.00)
- EDUC 305 Technology for Educational Change (3.00)
- EDUC 307 Integrating Digital Technologies and Social Media in Learning Environments (3.00)
- EDUC 315 Sexual Health Education for Children and Youths (3.00)
- EDUC 321 Gender Socialization in Education (3.00)
- EDUC 385 Teaching a Second Language in Early Childhood and Elementary School (3.00)
- EDUC 405 Children and Technology (3.00)
- EDUC 406 Physical Activity: Health and Well-being in Early Childhood Settings (3.00)
- EDUC 411 Toys, Media Literacy and Children's Popular Culture (3.00)
- EDUC 422 Sociology of Education I (3.00)
- EDUC 423 Sociology of Education II (3.00)
- EDUC 426 Comparative Education I (3.00)
- EDUC 427 Comparative Education II (3.00)
- EDUC 434 Aesthetics and Education (3.00)
- EDUC 464 Research Methods in Child Studies (3.00)
- EDUC 498 Advanced Topics in Education (3.00)

Group C: Specialization in Early Childhood and Elementary Education (21 credits)

21 credits of elective courses chosen from a list approved by the Department, excluding all EDUC courses and INST 250.

Notes

- Students may be recommended to the Quebec Teachers Certification Service for a Quebec permanent teaching diploma, valid for teaching kindergarten and cycles 1 to 3 (Grades 1 to 6) provided they have met the following requirements: 1) successfully completing the degree and certification requirements for the Specialization in Early Childhood and Elementary Education; 2) satisfying the English language proficiency requirements of the MEQ; and 3) applying to graduate.
- The following internships are graded as pass/fail: EDUC 395, EDUC 493, EDUC 495.
- To remain in the Specialization in Early Childhood and Elementary Education and to be recommended for certification, students must: 1) achieve at least a "B" grade in each of the following seminar courses: EDUC 396, EDUC 494, EDUC 496; 2) achieve at least a "B" grade in each of the following internship/seminar courses: EDUC 294 and EDUC 297; 3) achieve a "pass" in each of the following internship courses: EDUC 395, EDUC 493, EDUC 495; and 4) achieve at least a "C+" grade in each of the following methods courses: EDUC 222, EDUC 301, EDUC 356, EDUC 380, EDUC 381, EDUC 382, EDUC 384, EDUC 385, EDUC 386, EDUC 387, EDUC 388.
- Students who obtain a grade that is below the required level specified above are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade. (For the status of this grade as part of the student record, see Section 16.2.6 Repetition of Courses.)
- Students who fail to achieve the minimum grades specified above in two internship/methods courses (i.e. failing the same internship/methods course twice or two different internship/methods courses) cannot continue in the program and are required to withdraw from the Specialization in Early Childhood and Elementary Education program (see Section 16.2.6 Repetition of Courses).
- Students are responsible for satisfying their particular degree requirements.

BA Major in Child Studies

Program Requirements

Major in Child Studies (45 credits)

24 credits:

- EDUC 210 Psychology of Education (6.00)
- EDUC 211 Child Development I (3.00)
- EDUC 260 Historical and Current Curriculum Models for Early Childhood and Elementary Education (3.00)
- EDUC 302 Working in Childhood Settings: Leadership and Organizational Issues (3.00)
- EDUC 311 Child Development II: Ecology of the Family (3.00)
- EDUC 359 Understanding and Supporting Children with Challenging Behaviours (3.00)
- EDUC 360 Introduction to Inclusive Practices (3.00)

15 credits from one of the following areas of concentration:

Concentration A: Early Childhood Settings

Concentration B: Exceptionality and Diversity in Childhood Settings

6 credits chosen from:

- EDUC 230 Introduction to Philosophy of Education (3.00)
- EDUC 315 Sexual Health Education for Children and Youths (3.00)
- EDUC 321 Gender Socialization in Education (3.00)
- EDUC 405 Children and Technology (3.00)
- EDUC 411 Toys, Media Literacy and Children's Popular Culture (3.00)
- EDUC 422 Sociology of Education I (3.00)
- EDUC 426 Comparative Education I (3.00)
- EDUC 464 Research Methods in Child Studies (3.00)
- EDUC 498 Advanced Topics in Education (3.00)
- INST 250 Introductory Information Literacy Skills (3.00)

Concentration A. Early Childhood Settings (15 credits)

15 credits:

- EDUC 303 Children, Families, and Social Policy (3.00)

- EDUC 304 Play in Childhood Settings (3.00)
- EDUC 406 Physical Activity: Health and Well-being in Early Childhood Settings (3.00)
- EDUC 465 Child Studies Practicum and Seminar: Early Childhood Settings (6.00)

Notes

A minimum "C+" grade is required for all Field Placement courses for the Child Studies program, i.e. EDUC 465. Students who obtain a grade below the minimum "C+" are allowed to repeat the course(s) in question only once. Students who achieve a final grade below C+ in the same Field Placement course(s) twice are asked to withdraw from the Major in Child Studies program (see Section 16.2 Curriculum Regulations).

Concentration B. Exceptionality and Diversity in Childhood Settings (15 credits)

15 credits:

- EDUC 361 Inclusive Practices in Early Childhood Settings (3.00)
- EDUC 362 Inclusive Practices for School-Aged Populations (3.00)
- EDUC 402 Diversity Issues in Childhood (3.00)
- EDUC 466 Child Studies Practicum and Seminar: Inclusive Practices in Childhood Settings (6.00)

Notes

- A minimum "C+" grade is required for all Field Placement courses for the Child Studies program, i.e. EDUC 466?. Students who obtain a grade below the minimum "C+" are allowed to repeat the course(s) in question only once. Students who achieve a final grade below C+ in the same Field Placement course(s) twice are asked to withdraw from the Major in Child Studies program (see Section 16.2 Curriculum Regulations).

Minor in Education

Program Requirements

Minor in Education (24 credits)

24 credits chosen from:

- EDUC 210 Psychology of Education (6.00)
- EDUC 230 Introduction to Philosophy of Education (3.00)
- EDUC 240 Introduction to Training and Development (3.00)
- EDUC 270 Educational Communication (3.00)
- EDUC 298 Selected Topics in Education (3.00)
- EDUC 299 Selected Topics in Education (6.00)
- EDUC 305 Technology for Educational Change (3.00)
- EDUC 307 Integrating Digital Technologies and Social Media in Learning Environments (3.00)
- EDUC 321 Gender Socialization in Education (3.00)
- EDUC 398 Selected Topics in Education (3.00)
- EDUC 399 Selected Topics in Education (6.00)
- EDUC 405 Children and Technology (3.00)
- EDUC 411 Toys, Media Literacy and Children's Popular Culture (3.00)
- EDUC 422 Sociology of Education I (3.00)
- EDUC 426 Comparative Education I (3.00)
- EDUC 427 Comparative Education II (3.00)
- EDUC 454 Diversity in the Classroom (3.00)
- EDUC 498 Advanced Topics in Education (3.00)
- EDUC 499 Advanced Topics in Education (6.00)
- INST 250 Introductory Information Literacy Skills (3.00)
- TESL 201 Introduction to Teaching English as a Second Language (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

Teaching English as a Second Language Program Notes

- Upon admission, students may be granted exemptions from courses in TESL programs if they have completed equivalent work at the university level. Replacement for these exemptions must be made in accordance with the guidelines established by the Department of Education.

BEd Specialization in Teaching English as a Second Language

Program Requirements

Specialization in Teaching English as a Second Language (120 credits)

60 credits:

- TESL 221 Teaching and Learning English Pronunciation (3.00)
- TESL 231 English Grammar for Teachers (3.00)
- TESL 326 Introduction to ESL Pedagogy (6.00)
- TESL 330 Computers in Language Learning (3.00)
- TESL 331 Teaching English Grammar (3.00)
- TESL 341 Second Language Acquisition (3.00)
- TESL 351 Teaching English Vocabulary (3.00)
- TESL 415 Assessment in Second Language Teaching (3.00)
- TESL 426 Teaching Elementary ESL (6.00)
- TESL 427 Teaching Secondary ESL (3.00)
- TESL 466 Elementary ESL Internship I (3.00)
- TESL 467 Secondary ESL Internship I (3.00)
- TESL 471 Teaching Secondary Advanced ESL (3.00)
- TESL 486 Elementary ESL Internship II (6.00)
- TESL 487 Secondary ESL Internship II (6.00)
- TESL 488 Internship Seminar (3.00)

15 credits:

- EDUC 210 Psychology of Education (6.00)
- EDUC 445 Education in Quebec (3.00)
- EDUC 450 The Inclusive Classroom: Educating Exceptional Children (3.00)
- EDUC 454 Diversity in the Classroom (3.00)

6 credits:

- ENGL 212 English Composition — Stage I (3.00)
- ENGL 213 English Composition — Stage II (3.00)

9 credits chosen from courses in English literature, of which three credits must be from Canadian Literature

6 credits in a third language other than English or French

24 credits of elective courses chosen from a list approved by the Department

Notes

- To be recommended for Quebec Teachers Certification Service for a "Brevet d'enseignement : autorisation personnelle permanente" (a teaching diploma), students must achieve at least a "C" grade in methodology courses: TESL 326, TESL 330, TESL 331, TESL 426, TESL 427, TESL 471 and achieve a "pass" in the practice teaching courses: TESL 466, TESL 467, TESL 486, and TESL 487 that are marked on a pass/fail basis.
- Students who obtain a passing grade that is below the level required for recommendation for the teaching diploma are placed on conditional standing within the program and are so informed in writing by the TESL program director. Students are allowed to repeat the course(s) in question only once in order to achieve the required grade. (For the status of this grade as part of the student record, see Section 16.2.6 Repetition of Courses).
- Students who fail to achieve the minimum grade in two methodology/practice teaching courses (i.e. failing to achieve a grade of "C" in a methodology course or a "pass" in a practice teaching course) are withdrawn from the TESL Specialization program and are also so informed in writing by the TESL program director (see Section 16.2.6 Repetition of Courses).
- Students who obtain a failing grade (F, R, or NR) in any of the courses listed above as methodology and practicum teaching are withdrawn from the program and are also informed in writing by the TESL program director (see Section 16.2.6 Repetition of Courses under Section 16.2 Curriculum Regulations).
- Prior to the start of their third internship, students must demonstrate proficiency in the language of instruction on an exam recognized by the MEQ (EDUC 200).
- Upon successful completion of the BEd (TESL) program and after application to the Office of the Registrar, a graduate may be recommended to the Quebec Teachers Certification Service for a "Brevet d'enseignement : autorisation personnelle permanente" (a teaching diploma). Graduates who wish to teach ESL in francophone schools must satisfy the French proficiency requirements of the school board to which they apply.
- Students are responsible for satisfying their particular degree requirements.

Minor in Teaching English as a Second Language

Program Requirements

Minor in Teaching English as a Second Language (24 credits)

24 credits:

- ADED 202 The Scope and Nature of Adult Education Programs (3.00)
- ADED 403 Diversity in Adults (3.00)
- TESL 221 Teaching and Learning English Pronunciation (3.00)
- TESL 231 English Grammar for Teachers (3.00)
- TESL 326 Introduction to ESL Pedagogy (6.00)
- TESL 331 Teaching English Grammar (3.00)
- TESL 341 Second Language Acquisition (3.00)

Notes

- Students must demonstrate proficiency in the language of instruction prior to being admitted into the program (see Section 31.002 Programs and Admission Requirements).
- Students are responsible for satisfying their particular degree requirements.

Certificate in the Teaching of English as a Second Language

Program Requirements

Note: Admission to this program is suspended.

Certificate in the Teaching of English as a Second Language (30 credits)

24 credits:

- TESL 221 Teaching and Learning English Pronunciation (3.00)
- TESL 231 English Grammar for Teachers (3.00)
- TESL 324 Teaching Listening and Speaking in ESL (3.00)
- TESL 331 Teaching English Grammar (3.00)
- TESL 341 Second Language Acquisition (3.00)
- TESL 424 Teaching Reading and Writing in ESL (3.00)
- TESL 435 Practicum (6.00)

Note: Students are allowed to repeat TESL 435 only once in order to achieve the required grade (see Section 16.2.6 Repetition of Courses).

6 credits:

- ENGL 212 English Composition — Stage I (3.00)
- ENGL 213 English Composition — Stage II (3.00)

Notes

- Students must demonstrate proficiency in the language of instruction prior to being admitted into the program (see Section 31.002 Programs and Admission Requirements).
- Students in the TESL Certificate must achieve at least a "C" grade in TESL 435. Students are allowed to repeat the course in question only once in order to achieve the required grade (see Section 16.2.6 Repetition of Courses).
- Students are responsible for satisfying their particular degree requirements.

Minor in Adult Education

Program Requirements

Minor in Adult Education (24 credits)

9 credits:

- ADED 201 Concepts and Principles of Adult Education (3.00)
- ADED 202 The Scope and Nature of Adult Education Programs (3.00)
- ADED 220 Adults as Learners (3.00)

15 credits chosen from (ADED) Adult Education Courses with the prior approval of the Adult Education advisor

Notes

- Students are responsible for satisfying their particular degree requirements.

Certificate in Adult Education

Program Requirements

Certificate in Adult Education (30 credits)

9 credits:

- ADED 201 Concepts and Principles of Adult Education (3.00)
- ADED 202 The Scope and Nature of Adult Education Programs (3.00)
- ADED 220 Adults as Learners (3.00)

12 credits chosen from (ADED) Adult Education Courses

3 credits chosen from cognate courses with the permission of the program director

6 credits:

- ADED 496 Integrative Internship I (3.00)
- ADED 497 Integrative Internship II (3.00)

Notes

- General admission requirements are listed in Section 13 Admission Regulations?. Applicants to the certificate will also be interviewed prior to admission.
- Students may transfer into the certificate program credits earned in an incomplete degree or certificate program or as an Independent student provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program.
- Students are responsible for satisfying their particular program requirements.

Department of Education Courses

Quick Links

Adult Education Courses

Education Courses

English as a Second Language Courses

Information Studies Courses

Library Studies Courses

Teaching English as a Second Language Courses

Adult Education Courses

ADED 201 Concepts and Principles of Adult Education (3 credits)

Description:

This course consists of an overview of the field of adult education as a field of study with emphasis given to its philosophy, objectives, historical development, and the nature of adult learners. It also examines adult education as a field of practice with emphasis given to methods, techniques, roles, and competencies. This course stresses active student participation and self-directedness.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ADED 200 may not take this course for credit.

ADED 202 The Scope and Nature of Adult Education Programs (3 credits)

Description:

This course is designed to help students develop an understanding of the scope and nature of adult education programs. Emphasis is placed on existing programs, and institutions and agencies providing them. The course stresses active student participation and self-directedness.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ADED 200 may not take this course for credit.

ADED 220 Adults as Learners (3 credits)

Description:

This course examines the unique physiological, psychological, and sociological characteristics of adults, their influence on adult learning and development, and their implications for educational intervention. Attention is given to changes which occur at various stages of the adult life cycle, and particularly to the dimensions which affect the adult's self-concept and orientation to learning, the motivations, needs, and interests which cause adults to participate in educational activities.

Component(s):

"Lecture"

ADED 230 Roles and Competencies of Adult Educators (3 credits)

Description:

The purpose of this course is to review the state of professionalization of adult education. General skills, knowledge, and attitudes expected of adult educators regardless of the setting in which they work are examined. In addition, according to the participants' needs and interests, an opportunity is given to explore competencies related to the particular roles of, e.g., administrators, program developers, trainers, leaders, instructors, counsellors, and volunteer workers.

Component(s):

"Lecture"

ADED 240 Introduction to Research in Adult Education (3 credits)

Description:

This course is designed to introduce students to how to gain access to and utilize major information sources in adult education. In addition, the course examines research interests and problem areas studied in adult education and related fields, along with current trends and various methods of inquiry used.

Component(s):

"Lecture"

ADED 298 Selected Topics in Adult Education (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ADED 299 Selected Topics in Adult Education (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ADED 302 Group Dynamics (3 credits)

Description:

This course examines the processes, conditions, and skills involved when adults work in groups. Participants develop a knowledge and understanding of group dynamics and acquire the skills needed for using groups as a means of adult learning. One of the approaches this course takes is to have participants learn about group dynamics by being actively involved in various interactive group situations.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under ADED 370 may not take this course for credit.

ADED 333 Methods and Techniques for Facilitating Adult Learning (3 credits)

Description:

This course is designed to give adult educators an opportunity to practise and improve their skills in facilitating adult learning. Different models of educational processes and optimal conditions for promoting adult learning are examined; attention is given to case studies, role plays, and simulation methods and techniques, as well as to individualized learning formats.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ADED 330 or ADED 331 may not take this course for credit.

ADED 344 Design of Adult Learning Projects (3 credits)

Description:

The purpose of this course is to assist participants in developing a clear working concept of various models for planning and designing adult learning projects. To facilitate this understanding, the different steps of the process are closely examined and discussed. Participants are given an opportunity to design and conduct a learning activity in the area of subject matter speciality. A systems approach, including methods for evaluating the design of the learning project is emphasized.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ADED 340 or ADED 341 or ADED 343 may not take this course for credit.

ADED 345 Evaluating Adult Learning Projects (3 credits)

Description:

The purpose of this course is to assist participants in developing a clear working concept of various models for assessing the effectiveness of adult learning projects. The course emphasizes a systematic approach to evaluation, techniques for collecting information and providing feedback to program operation and impact. Participants are given the opportunity to conduct an evaluation of an adult learning project in the area of subject matter speciality.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ADED 342 or ADED 343 may not take this course for credit.

ADED 370 Workshops for Adult Educators (3 credits)

Description:

These workshops examine a number of topics and problems related to the field of adult education. The issues considered may differ from year to year and are stated in the Undergraduate Class Schedule. The workshop format is designed to provide adult educators with learning opportunities that are flexibly scheduled or in the form of a one-week intensive seminar.

Component(s):

"Lecture"

ADED 398 Selected Topics in Adult Education (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

ADED 403 Diversity in Adults (3 credits)

Description:

It is the role of adult educators (agents of change) to confront issues of diversity and to challenge the forces of racism, sexism, classism, homophobia, and discrimination. By integrating notions of education, and by reflecting on the roles of practitioners, this course develops strategies to resist structural inequality and oppression.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ADED 498 number may not take this course for credit.

ADED 410 Adult Education in Canada and Quebec (3 credits)

Description:

The purpose of this course is to examine the historical development and current state of adult education in Canada, with special reference to Quebec. Various factors which influenced the development of adult education in our society are explored; the focus is on present status, role and structure, and socio-cultural and philosophical underpinnings of the field.

Component(s):

"Lecture"

ADED 412 Concepts and Values in Adult Education (3 credits)

Description:

This seminar is designed to encourage adult educators to reflect upon and question what one is engaged in and why. A selection of conceptual and philosophical issues underlying adult educational practice is critically examined and discussed. Attention is given to the meaning of words, the nature of ideas and values, the implications of assumptions and principles which are deemed specific in the sphere of the education of adults.

Component(s):

"Lecture"

ADED 440 Issues in the Practice of Adult Education (3 credits)

Description:

The purpose of this seminar is to study and discuss current issues relating to the field and profession of adult education in general, along with more specific and local concerns. Group and individual interests have an important bearing on the design of this course.

Component(s):

"Lecture"

ADED 496 Integrative Internship I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ADED 201; ADED 202. Students must have completed 15 credits in the program prior to enrolling.

Description:

This internship is designed to assist individual students in achieving a synthesis of their own experiential learning in light of acquired knowledge, skills, values, and attitudes through the clarification of personal aims and the philosophy of adult education.

Component(s):

"Lecture"; "Practicum/Internship/Work Term"

Notes:

- Students will normally enrol in ADED 496 near the end of their program.

- Students who have received credit for ADED 495 may not take this course for credit.

ADED 497 Integrative Internship II (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed ADED 486 prior to enrolling.

Description:

This internship is designed to extend the personal aims and philosophy of adult education arrived at in Integrative Internship I, and engage in a special project in an adult education facility where supervision is provided by the host institution.

Component(s):

"Lecture"; "Practicum/Internship/Work Term"

Notes:

- Students who have received credit for ADED 495 may not take this course for credit.

ADED 498 Advanced Topics in Adult Education (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Education Courses

EDUC 200 English Exam for Teacher Certification (0 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization, the Teaching English as a Second Language Specialization, the Art Education Major, or the Art Education Specialization is required.

Description:

The regulation respecting teaching licences requires that all students admitted to a teacher education program demonstrate their proficiency in the language of instruction as a condition for certification. To fulfill this requirement, students are required to register and write the exam approved by the MEQ. Students must pass this exam prior to the start of the following internships: EDUC 493, TESL 486 or TESL 487, and ARTE 423.

Notes:

- This course is marked on a pass/fail basis.

EDUC 210 Psychology of Education (6 credits)

Description:

This course introduces students to a broad range of content in educational psychology, including its scope and methods, learning motivation, growth and development, adjustment, individual differences, guidance, and concept of self.

Component(s):

"Lecture"

EDUC 211 Child Development I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization, or the Major in Child Studies is required.

Description:

This course provides an introduction to current theory (e.g. cognitive, social-cognitive, social learning) about children's development and covers various domains of development (social, emotional, cognitive, physical) from conception to age 12. The implications of children's development in relation to various contexts (e.g. family, neighbourhood, peers, education) are discussed.

Component(s):

"Lecture"

EDUC 222 Exploring Movement with Children (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required.

Description:

From a multidisciplinary perspective, this course examines the following topics: the relationship between movement and self-knowledge, psychomotor development, and the role of physical activity in primary education. The course addresses the teacher's role in incorporating movement into the curriculum for all children, including those with special needs through the use of specific techniques and activities.

Component(s):

"Lecture"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "C+" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.

EDUC 230 Introduction to Philosophy of Education (3 credits)

Description:

This course introduces the student to the content and form of several major educational theories, and to conceptual and logical procedures of philosophizing about education, with particular reference to teaching and learning.

Component(s):

"Lecture"

EDUC 240 Introduction to Training and Development (3 credits)

Description:

This course provides an overview of the design and development of training in organizations by introducing students to theoretical and practical concepts. Topics explored include the organizational and personal benefits of training, different modes of delivery including e-learning (an instructional systems design approach to training development), the transfer of learned skills to the workplace environment, the evaluation of training, the management of the development process, and trends and successful practices in the field.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an EDUC 298 number may not take this course for credit.

EDUC 260 Historical and Current Curriculum Models for Early Childhood and Elementary Education (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization, or the Major in Child Studies is required.

Description:

This course provides an introduction to the historical and current curriculum models for early childhood and elementary education. The historical and philosophical roots of modern constructivist approaches to curriculum are discussed with an emphasis on how 20th-century thinkers have influenced contemporary curriculum models. Recent Canadian approaches to curriculum development and provincial curriculum frameworks also are discussed.

Component(s):

"Lecture"

EDUC 264 Communication: Child, Parent and Teacher (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 30 credits prior to enrolling.

Description:

This course focuses on the role parents play in the various stages of the child's academic, social, and emotional development. The format for this course is unique in that parents of the children in the observation nursery are involved, and students interact with them by conducting and participating in parent-teacher seminars. Topics include parenting, the impact

of the family on the child's classroom behaviour, child abuse, cultural issues, disciplinary measures at home and in school, the coordination of home-and-school academic goals, and achievement motivation.

Component(s):

"Seminar"; "Laboratory"

EDUC 270 Educational Communication (3 credits)

Description:

In this course, students study fundamental communication skills used by effective instructors. By examining how to write the most basic types of instructional content, including definitions, objectives, descriptions and procedures, and the most common forms of written instructional content, including how-to articles and lesson plans, this practical, writing-intensive course emphasizes effective instructional communication methodologies.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an EDUC 298 number may not take this course for credit.

EDUC 294 Prekindergarten Internship and Seminar (6 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must be in their first year of the ECEE program in order to enrol.

Description:

In this course, students are placed in a prekindergarten class one day a week for a total of 60 hours. The internship gives students first-hand knowledge of the importance of early education. It permits students to develop preliminary skills in observing, assessing, and meeting the needs of individual children, articulating educational objectives, working effectively with small groups, and planning and implementing a play-based curriculum. The seminar complements the internship by offering a thorough introduction to theoretical and applied aspects of early childhood education through lectures, discussions, and video presentations on such topics as the educational and developmental needs of young children, models of early childhood education, the role of the teacher, play-based curriculum and instruction, health and safety issues, and the design of appropriate prekindergarten learning environments.

Component(s):

"Lecture"; "Practicum/Internship/Work Term"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "B" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat this course only once, the next time the course is given, in order to achieve the required grade.
- Students who have received credit for EDUC 295 and EDUC 296 may not take this course for credit unless required by the Department.

EDUC 297 Internship II: Observation and Evaluation in Education (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 294. Enrolment in the Early Childhood and Elementary Education Specialization is required.

Description:

The purpose of this course is to teach students how to conduct evaluations at the elementary-school level. Students learn observation techniques, documentation procedures, authentic assessment, and formative and summative evaluation. Students learn how to create a dynamic profile of the child and how to prepare reports for parents, administrators, and specialists. Students conduct observations in recognized educational institutions (40 hours).

Component(s):

"Seminar"; "Practicum/Internship/Work Term"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "B" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.
- Students who have received credit for EDUC 371, EDUC 373, and EDUC 375 may not take this course for credit.

EDUC 298 Selected Topics in Education (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

EDUC 299 Selected Topics in Education (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

EDUC 301 Integrating Computers into the Elementary Classroom (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization, the Art Education Major or the Art Education Specialization is required.

Description:

This course provides an introduction to theoretical and practical knowledge regarding the use of computers in elementary school classrooms. Assignments are designed to provide students with hands-on experience with the computer. Topics include social interaction and equity, problem-solving skills, software evaluation, interactive technologies, and curriculum planning.

Component(s):

"Lecture"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "C+" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.

EDUC 302 Working in Childhood Settings: Leadership and Organizational Issues (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Child Studies is required.

Description:

This course provides students with an introduction to leadership in childhood settings, with a focus on child care. Issues reviewed include the organizational framework, quality of curriculum, human resources, leadership styles, financial and administrative matters, environments, and community relationships.

Component(s):

"Lecture"

EDUC 303 Children, Families, and Social Policy (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 210; EDUC 211. Enrolment in the Major in Child Studies is required.

Description:

This course examines social policy as it relates to children and families in Canada. Policies may include such areas as children's rights, child care, education, health, and social welfare.

Component(s):

"Lecture"

EDUC 304 Play in Childhood Settings (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 210; EDUC 211. Enrolment in the Early Childhood and Elementary Education Specialization, or the Major in Child Studies is required.

Description:

This course introduces students to (1) developmental theories of children's play, and (2) practical ways that play can be facilitated in early childhood settings. Emphasis is placed on understanding: types of play (e.g. pretend, physical, solitary,

social, rough and tumble); play-based curriculum and the role of the educator; toys, materials, and environments that promote high-quality play; cultural diversity and play; and play in inclusive environments.

Component(s):

"Lecture"

EDUC 305 Technology for Educational Change (3 credits)

Prerequisite/Corequisite:

Enrolment in an Education program is required.

Description:

This course provides an introduction to advances in the theory, research, and practice of educational technology. Projects and activities allow for a diversity of interests.

Component(s):

"Lecture"

EDUC 307 Integrating Digital Technologies and Social Media in Learning Environments (3 credits)

Description:

This course introduces students to the social and cognitive theories of digital technologies in learning and training environments. These technologies include hardware such as interactive tablets and screens, mobile devices, and software such as online multimedia, video, serious games and social media. This course discusses these technologies using problem-based learning approaches. Students also engage in practical project-based activities.

Component(s):

"Lecture"

EDUC 311 Child Development II: Ecology of the Family (3 credits)

Prerequisite/Corequisite:

The following course must be completed concurrently or previously: EDUC 210. The following course must be completed previously: EDUC 211. Enrolment in the Early Childhood and Elementary Education Specialization, or the Major in Child Studies is required.

Description:

This course is designed to provide students with an in-depth review of the developmental, psychological, and socio-cultural aspects of the child and the family. Emphasis is placed on structural elements related to the modern family (e.g. family size, developmental tasks), family relations (e.g. transition to parenthood, parenting styles, early relationships) and issues related to contemporary families.

Component(s):

"Lecture"

EDUC 315 Sexual Health Education for Children and Youths (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Early Childhood and Elementary Education, the Specialization in Teaching English as a Second Language, the Major in Child Studies, or the Minor in Interdisciplinary Studies in Sexuality is required. Students must have completed 30 credits prior to enrolling.

Description:

By evaluating research-informed best practices, this course familiarizes students with approaches to comprehensive sexual health education that are desirable for working with children and youth in a variety of educational settings, including the home, community agencies, and schools. Students critically engage with research-informed strategies, curricula, resources, pedagogies, and approaches to support comprehensive sex education inside and outside of school contexts. The importance of accounting for developmental considerations, learning needs, and local social contexts is stressed.

Component(s):

"Lecture"

EDUC 321 Gender Socialization in Education (3 credits)

Description:

This course focuses upon the role of gender in different levels of education. Factors such as culture, policy, and language are discussed. The mechanisms by which gender roles are maintained and challenged in educational institutions are also examined through the relevant theories.

Component(s):

"Lecture"

EDUC 356 Teaching Culture and Citizenship in Quebec (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 30 credits prior to enrolling.

Description:

This course enables students to develop a stimulating and sensitive *Culture and Citizenship in Quebec* program that promotes children's ability to explore, examine, and reflect critically on cultural realities via dialogue with others. Relevant resource materials are examined and assignments focus upon development of activities for the elementary-level classroom.

Component(s):

"Lecture"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "C+" grade in this course. Students who obtain a grade that is below the

required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat this course only once, the next time the course is given, in order to achieve the required grade.

- Students who have received credit for EDUC 355 may not take this course for credit.

EDUC 359 Understanding and Supporting Children with Challenging Behaviours (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 210 and EDUC 211. Enrolment in the Major in Child Studies is required. Students must have completed 30 credits prior to enrolling.

Description:

This course explores evidence-based approaches for working with children with challenging behaviours, with an emphasis on child-centered approaches. Topics may include the cognitive, affective, and motivational processes that underlie children's challenging behaviours, and inclusive practices that support children's engagement in meaningful learning experiences and positive relationships. The course also addresses intervention approaches and resources for teachers, families and communities, aimed at promoting children's resilience, self-regulation and positive classroom experiences.

Component(s):

"Lecture"

EDUC 360 Introduction to Inclusive Practices (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 210. Enrolment in the Major in Child Studies or the Minor in Education is required.

Description:

This course is an introduction to inclusive practices for children with special needs in childhood settings. Topics include the evolution of special education; laws and policies; current models of service delivery; identification and assessment of learning needs; advocacy; and collaboration with families.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EDUC 450 may not take this course for credit.

EDUC 361 Inclusive Practices in Early Childhood Settings (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 360. Enrolment in the Major in Child Studies is required.

Description:

This course focuses on the implementation of inclusive practices in early childhood settings. Topics include differentiating and adapting curriculum; meeting the needs of individual children; collaborating with families and professionals;

implementing developmentally appropriate practices; and facilitating development in various domains (social-emotional, cognitive, behavioural and communication).

Component(s):

"Lecture"

Notes:

- Students who have received credit for EDUC 490 may not take this course for credit.

EDUC 362 Inclusive Practices for School-Aged Populations (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 360. Enrolment in the Major in Child Studies is required.

Description:

This course focuses on the implementation of inclusive practices in school-aged populations, (K – 11 settings). Topics include differentiating and adapting curriculum; meeting the needs of individual students; collaborating with families, teachers, and other professionals; implementing evidence-based strategies to promote literacy and academic achievement; and facilitating social-emotional, cognitive, and behavioural competencies.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EDUC 491 may not take this course for credit.

EDUC 380 Teaching Language Arts I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 30 credits prior to enrolling.

Description:

This course enables students to acquire the necessary skills for developing a stimulating and appropriate language arts program for kindergarten and primary grades. Current theories of literacy development and implications for planning and instruction are addressed. The course focuses on listening, speaking, reading, and writing, emphasizing the integration of language arts activities into other subject areas.

Component(s):

"Lecture"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a “C+” grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.

EDUC 381 Teaching Language Arts II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 380. Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 30 credits prior to enrolling.

Description:

This course is a continuation of EDUC 380 with special emphasis on teaching language arts in Grades 3 to 6. Students become familiar with Quebec Education Program (QEP) guidelines, and various ways to organize and evaluate their implementation.

Component(s):

"Lecture"; "Tutorial"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "C+" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.

EDUC 382 Teaching Science Concepts in the Elementary Classroom (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 30 credits prior to enrolling.

Description:

This course examines areas of science which are relevant to elementary education and emphasizes the development of the spirit of scientific inquiry. Resource materials, teaching methodology, and classroom activities are examined and evaluated in light of the MEQ guidelines. Assignments emphasize developing activities for classroom use.

Component(s):

"Lecture"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "C+" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.

EDUC 384 Teaching Social Studies in Elementary Schools (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 30 credits prior to enrolling.

Description:

This course examines the teaching of social studies to elementary-school-age children.

Component(s):

"Lecture"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "C+" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.

EDUC 385 Teaching a Second Language in Early Childhood and Elementary School (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 30 credits prior to enrolling.

Description:

This course is designed to give teachers a background in current theories of language acquisition and second language learning. Teaching methodologies such as immersion, enrichment, and core/complementary curricula are studied and resource materials are examined and evaluated. Assignments include the development of appropriate classroom activities at the elementary level.

Component(s):

"Lecture"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "C+" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.

EDUC 386 Teaching Mathematics I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 12 University credits prior to enrolling.

Description:

This course introduces a conceptual analysis of school mathematics and its application to the early childhood and elementary education classrooms. Topics include numeracy acquisition, counting, whole number operations, and problem solving. Emphasis is placed on the development of children's thinking and pedagogical practices aimed at assisting students to think mathematically. Current mathematics curricula are examined and evaluated in this context.

Component(s):

"Lecture"; "Tutorial"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "C+" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.

EDUC 387 Teaching Mathematics II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 386. Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 30 credits prior to enrolling.

Description:

This course continues a conceptual analysis of school mathematics and its application to the elementary classroom. Topics include fractions, decimals, proportions, per cents, algebraic reasoning, and geometry. Emphasis is placed on the development of children's thinking and pedagogical practices aimed at assisting students to think mathematically. Current mathematics curricula are examined and evaluated in this context.

Component(s):

"Lecture"; "Tutorial"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "C+" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.

EDUC 388 Teaching Mathematics III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 387. Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 30 credits prior to enrolling.

Description:

This course continues a conceptual analysis of school mathematics and its application to the elementary classroom. Topics include algebra, geometry, probability, statistics, and data analysis. Emphasis is placed on the development of children's thinking and pedagogical practices aimed at assisting students to think mathematically. Current mathematics curricula are examined and evaluated in this context.

Component(s):

"Lecture"; "Tutorial"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "C+" grade in this course. Students who obtain a grade that is below the

required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade.

EDUC 395 Internship III: Kindergarten Teaching (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 294; EDUC 297. The following course must be completed concurrently: EDUC 396. Enrolment in Early Childhood and Elementary Education Specialization is required. Students must have completed 60 credits prior to enrolling.

Description:

This internship is a seven-week (245 hours) supervised student-teaching experience in a full-day kindergarten classroom. Students share in the daily work of their co-operating teachers, and progress gradually from being participant observers working with small groups to taking charge of the whole class. Students practise their skills in activity planning, intervention strategies, the evaluation of student learning, and the management of classroom routines.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- This course is graded on a pass/fail basis. To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve a "pass" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat this course only once, the next time the course is given, in order to achieve the required grade. Students who obtain a “fail” grade in EDUC 395 or a grade below the minimum “B” in EDUC 396 must repeat both courses concurrently, even if the student achieves the minimum grade in one of the two courses.

EDUC 396 Kindergarten Teaching Seminar (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 294, EDUC 297. The following course must be completed concurrently: EDUC 395. Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 60 credits prior to enrolling.

Description:

This seminar complements EDUC 395 by providing the opportunity, means, and impetus for students to reflect critically on their teaching philosophy and practice. Topics include the development of appropriate and stimulating learning environments, kindergarten program guidelines established by the MEQ, planning and implementation of learning centres, teaching centres, teaching the “whole” child, teacher-parent relationships, and other current issues in kindergarten education.

Component(s):

"Seminar"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a “B” grade in this course. Students who obtain a grade that is below the

required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade. Students who obtain a "fail" grade in EDUC 395 or a grade below the minimum "B" in EDUC 396 must repeat both courses concurrently, even if the student achieves the minimum grade in one of the two courses.

EDUC 398 Selected Topics in Education (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

EDUC 399 Selected Topics in Education (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

EDUC 400 Teaching Across the Curriculum (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 30 University credits prior to enrolling.

Description:

Using language arts and the social sciences as the starting point, this course outlines different models for integrating school subjects in curriculum programming. Special attention is given to social science methodology, thematic planning and project work, and to the use of literature and drama. Students examine the links between the different programs of study developed for Quebec schools and their overall implications for curriculum planning.

Component(s):

"Lecture"

EDUC 402 Diversity Issues in Childhood (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 210 and EDUC 211. Enrolment in the Major in Child Studies is required.

Description:

This course explores the diversity of contemporary Canadian childhood, including issues related to immigration, language, culture, and socioeconomic status. The course reviews theoretical approaches to diversity and examines how these shape practice with children and families in education and other fields.

Component(s):

"Lecture"

EDUC 405 Children and Technology (3 credits)

Prerequisite/Corequisite:

Students must have completed 30 credits prior to enrolling.

Description:

This course examines the interaction between children and technology from a socio-cultural perspective, including the effects of media such as television, computers, and the Internet. Emphasis is placed on the developing child in the context of communication and technology as related to informal educational activities and play.

Component(s):

"Lecture"

EDUC 406 Physical Activity: Health and Well-being in Early Childhood Settings (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 210; EDUC 211. Enrolment in the Early Childhood and Elementary Education Specialization, or the Major in Child Studies is required.

Description:

This course examines the basic principles and practices of health, safety, physical activity, and nutrition that promote the wellness of young children in early childhood environments. Topics include health promotion; illness and prevention; physical activity; nutrition; safety promotion; preventing child maltreatment; and stress in the lives of young children. Students examine legislative requirements of group care, which are necessary to plan safe, inclusive and developmentally appropriate environments.

Component(s):

"Lecture"

EDUC 411 Toys, Media Literacy and Children's Popular Culture (3 credits)

Prerequisite/Corequisite:

Enrolment in an Education program is required.

Description:

This interdisciplinary course examines the multiple roles that toys and the popular culture of childhood and adolescence can play in relation to development, learning, socialization and identity processes. Topics addressed include cultural and personal meanings constructed around toys, media literacy, the increasing role of new technologies, and issues related to the branding and marketing of toys through the media.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an EDUC 498 number may not take this course for credit.

EDUC 422 Sociology of Education I (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 University credits prior to enrolling.

Description:

This course emphasizes sociological concepts and their theoretical and practical applications to the study of education. The focus is on the following: how the education system is structured, how schooling and education fit into the overall social structure, how educational experiences vary for members of different social groups, the role education plays in gender, class, and racial inequalities, the complexity of issues relating to student evaluation and performance, and the role education plays in social change.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EDUC 421 may not take this course for credit.

EDUC 423 Sociology of Education II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 422.

Description:

This course considers how a particular sociological viewpoint contributes to our understanding of school life. Topics include family, socialization patterns, teacher and pupil perspectives, and how these are interrelated.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EDUC 421 may not take this course for credit.

EDUC 426 Comparative Education I (3 credits)

Prerequisite/Corequisite:

Students must have completed six credits in Education prior to enrolling.

Description:

This course undertakes the study of the impact of political and cultural differences upon educational systems (for example, the impact of language differences, nationalism, colonialism, neocolonialism, political socialization). The approach is comparative, with particular emphasis on contrasting educational systems and practice in selected countries.

Component(s):

"Lecture"

EDUC 427 Comparative Education II (3 credits)

Prerequisite/Corequisite:

Students must have completed six credits in Education prior to enrolling.

Description:

This course examines the sources and impacts of educational change from a comparative perspective. Topics include pedagogical alternatives; socio-political alternatives; educational implications of technological change and economic policy; policies of elitism and egalitarianism. Methods include comparative case study and analysis of specific theories of educational innovation.

Component(s):

"Lecture"

EDUC 432 Seminar in Epistemology and Education (3 credits)

Prerequisite/Corequisite:

Students must have completed six credits in Education prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Theories of knowledge are considered in this course, with special attention being given to the bearing of such topics as perception, evidence, truth, knowledge, and belief as relating to educational thought and practice. Students are expected to become familiar with recent periodical and other literature in the field.

Component(s):

"Lecture"

EDUC 434 Aesthetics and Education (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 230. If prerequisites are not satisfied, permission of the Department is required.

Description:

The nature of aesthetic value and experience, and theories of art and beauty are examined. The development of the emotions and imagination, and their functions in aesthetic awareness are central concerns of this course. Students are expected to become familiar with the relevant literature in the field.

Component(s):

"Lecture"

EDUC 445 Education in Quebec (3 credits)

Prerequisite/Corequisite:

Students must have completed 30 credits in a teacher certification program prior to enrolling or must hold a provisional teaching authorization. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course covers the history, the contemporary movements, and the structures of Quebec education. The historical section covers the period from 1608 until the present. Topics included are the legislation, regulations, rules, and directives pertaining to the respective roles of the MEQ, the school boards, the teachers, the parents, and the students in Quebec's educational system.

Component(s):

"Lecture"

Notes:

- Because this is a required course for all individuals enrolled in a Quebec program of teacher training, the content is controlled by the MEQ.

EDUC 450 The Inclusive Classroom: Educating Exceptional Children (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 210 or EDUC 211. Enrolment in a teacher training program (ECEE, TESL, Art Education) is required. Students must have competed 30 credits prior to enrolling.

Description:

This course focuses on the education of children with special needs. Emphasis is placed on ways in which classroom teachers can provide appropriate help or instruction to meet the needs of exceptional children. Topics include identification and assessment of learning needs; adaptation of curriculum and activity design, service delivery models; parent-professional relationships; legislative policies.

Component(s):

"Lecture"

EDUC 454 Diversity in the Classroom (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EDUC 210 or EDUC 211. Students must have completed 30 credits prior to enrolling.

Description:

Students examine the implications of diversity in the classroom for teaching, curriculum, and children's educational experience. Various theoretical approaches are analyzed, including critical pedagogy, multicultural education, and intercultural education. The importance of inclusive curricula is discussed.

Component(s):

"Lecture"

EDUC 464 Research Methods in Child Studies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 210 and EDUC 211. Students must have competed 30 credits in the Early Childhood and Elementary Education Specialization, or the Major in Child Studies prior to enrolling.

Description:

This course introduces students to research approaches in child studies and education. Students learn how research studies are conceptualized and conducted, the similarities and differences between quantitative, qualitative and mixed-methods research designs, how data are analyzed and interpreted, and gain experience in the critical evaluation and application of research.

Component(s):

"Lecture"

EDUC 465 Child Studies Practicum and Seminar: Early Childhood Settings (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 302, EDUC 304, EDUC 406. Enrolment in the Major in Child Studies is required.

Description:

This course has a practicum and seminar component. During the practicum, students develop skills in observation and curriculum planning for children in early childhood settings. Students are required to be on site for two mornings or one full day per week, for a minimum of 60 hours, in a centre-based child-care or preschool setting for children ages 0 to 5 years. The seminar complements the practicum experience and covers theoretical and applied aspects of working with children in early childhood settings. Seminar discussions focus on reflective practices, curriculum planning and using observational techniques, and organization of child-care settings that promote the health, safety and education of children ages 0 to 5 years.

Component(s):

"Seminar"; "Practicum/Internship/Work Term"

Notes:

- A minimum “C+” grade is required for students enrolled in this course, in order to complete their Concentration A: Early Childhood Settings for the Major in Child Studies program. Any student who obtains a grade below the minimum “C+” must repeat the practicum and seminar activities (EDUC 465), even if the student achieved satisfactory standing in some of the competencies and/or assignments. Students are allowed to repeat this course only once. Students who achieve a final grade below “C+” during the second time are asked to withdraw from the Major in Child Studies program.
- Students who have received credit for EDUC 460 and EDUC 461 may not take this course for credit.

EDUC 466 Child Studies Practicum and Seminar: Inclusive Practices in Childhood Settings (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 360; EDUC 361 or EDUC 362. Enrolment in the Major in Child Studies is required.

Description:

This course has a seminar and practicum component. During the practicum, students develop skills in observing and planning curriculum for children exhibiting a range of social-emotional, cognitive, behavioural, and academic competencies and needs. Students are required to be in a field placement two mornings or one full day per week, for a minimum of 60 hours in settings such as schools, community organizations, hospitals, or rehabilitation centres. The seminar complements the practicum experience and covers theoretical and applied aspects of working with children in inclusive childhood settings. The focus is on reflective practices, curriculum planning, using observational techniques and monitoring students progress.

Component(s):

"Seminar"; "Practicum/Internship/Work Term"

Notes:

- A minimum "C+" grade is required for students enrolled in this course, in order to complete their Concentration B: Exceptionality and Diversity in Childhood Settings for the Major in Child Studies program. Any student who obtains a grade below the minimum "C+" must repeat the practicum and seminar activities (EDUC 465), even if the student achieved satisfactory standing in some of the competencies and/or assignments. Students are allowed to repeat the course in question only once. Students who achieve a final grade below "C+" during the second time are asked to withdraw from the Major in Child Studies program.
- Students who have received credit for EDUC 462 and EDUC 463 may not take this course for credit.

EDUC 493 Internship IV: Primary Teaching (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Specialization is required. Students must have completed 90 credits prior to enrolling. The following courses must be completed previously: EDUC 200, EDUC 222, EDUC 260, EDUC 264, EDUC 301, EDUC 311, EDUC 356, EDUC 381, EDUC 388, EDUC 395, EDUC 396, EDUC 450, EDUC 454. The following courses must be completed previously or concurrently: EDUC 382, EDUC 384, EDUC 400. The following course must be completed concurrently: EDUC 494.

Description:

The internship is a seven-week (245 hours) supervised student-teaching experience in a primary classroom (Grades 1 to 3). Students share in the daily work of their co-operating teachers, and progress gradually from being participant observers working with small groups to taking charge of the whole class as independent, creative practitioners. Students perfect their skills in lesson and unit planning, intervention strategies, the evaluation of student learning, and the management of classroom routines.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- This course is graded on a pass/fail basis.

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve a "pass" grade in this course. Students who obtain a grade that is below the required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat this course only once, the next time the course is given, in order to achieve the required grade. Students who obtain a "fail" grade in EDUC 493 or a grade below the minimum "B" in EDUC 494 must repeat both courses concurrently, even if the students achieve the minimum grade in one of the two courses.

EDUC 494 Primary Teaching Seminar (3 credits)

Prerequisite/Corequisite:

Enrolment in Early Childhood and Elementary Education Specialization is required. Students must have completed 90 credits prior to enrolling. The following courses must be completed previously: EDUC 200, EDUC 222, EDUC 260, EDUC 264, EDUC 301, EDUC 311, EDUC 356, EDUC 381, EDUC 388, EDUC 395, EDUC 396, EDUC 450, EDUC 454. The following courses must be completed previously or concurrently: EDUC 382, EDUC 384, EDUC 400. The following course must be completed concurrently: EDUC 493.

Description:

The seminar complements EDUC 493 by providing the opportunity, means, and impetus for students to reflect critically on their teaching philosophy and practice. Topics include the development of appropriate and stimulating learning environments, primary program guidelines set out by the MEQ, planning and implementation of curriculum units, and other current issues in primary education.

Component(s):

"Seminar"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "B" grade in this course. Students who obtain a grade that is below the above-required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade. Students who obtain a "fail" grade in EDUC 493 or a grade below the minimum "B" in EDUC 494 must repeat both courses concurrently, even if the students achieve the minimum grade in one of the two courses.

EDUC 495 Internship V: Upper Elementary Teaching (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education Specialization is required. Students must have completed 90 credits prior to enrolling. The following courses must be completed previously: EDUC 200, EDUC 222, EDUC 260, EDUC 264, EDUC 301, EDUC 311, EDUC 356, EDUC 381, EDUC 388, EDUC 445, EDUC 450, EDUC 454. The following courses must be completed previously or concurrently: EDUC 382, EDUC 384, EDUC 400, EDUC 493, EDUC 494. The following course must be completed concurrently: EDUC 496.

Description:

Students are placed in an elementary classroom (Grades 4 to 6) for a seven-week student-teaching experience (245 hours). They are provided with the opportunity to continue to develop their own teaching strategies and enhance their skills in curriculum planning and implementation, preparing and evaluating classroom materials, and monitoring student progress.

Students participate in the daily routines and educational duties of their co-operating teachers and become involved in student activities.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- This course is graded on a pass/fail basis.
- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve a "pass" grade in this course. Students who obtain a grade that is below the above-required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat this course only once, the next time the course is given, in order to achieve the required grade. Students who obtain a "fail" grade in EDUC 495 or a grade below the minimum "B" in EDUC 496 must repeat both courses concurrently, even if the students achieve the minimum grade in one of the two courses.

EDUC 496 Upper Elementary Teaching Seminar (3 credits)

Prerequisite/Corequisite:

Enrolment in Early Childhood and Elementary Education Specialization is required. Students must have completed 90 credits prior to enrolling. The following courses must be completed previously: EDUC 200, EDUC 222, EDUC 260, EDUC 264, EDUC 301, EDUC 311, EDUC 356, EDUC 381, EDUC 388, EDUC 445, EDUC 450, EDUC 454. The following courses must be completed previously or concurrently: EDUC 382, EDUC 384, EDUC 400, EDUC 493, EDUC 494. The following course must be completed concurrently: EDUC 495.

Description:

This course focuses on the discussion, review, and analysis of relevant material in the context of students' internship placements. Topics include assessment and evaluation; involvement of parents in their children's education; guidelines established by the MEQ; teaching strategies; self-reflection and evaluation.

Component(s):

"Seminar"

Notes:

- To remain in the Early Childhood and Elementary Education Specialization program and to be recommended for certification, students must achieve at least a "B" grade in this course. Students who obtain a grade that is below the above-required level are placed on conditional standing within the program and are informed in writing. Students are allowed to repeat the course in question only once, the next time the course is given, in order to achieve the required grade. Students who obtain a "fail" grade in EDUC 495 or a grade below the minimum "B" in EDUC 496 must repeat both courses concurrently, even if the students achieve the minimum grade in one of the two courses.

EDUC 498 Advanced Topics in Education (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

EDUC 499 Advanced Topics in Education (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

English as a Second Language Courses

Notes

Courses in English as a Second Language are designed for students who are not native speakers of English and who need further training in the effective use of English in the university setting. Students must be tested for placement in ESL 202 or ESL 204 and ESL 205 or ESL 206. A fee is charged for the placement test. Information about placement testing may be obtained at concordia.ca/artsci/education/programs/esl or from the Department of Education.

Written work is required in English for these courses; please consult with the Department.

Program students in the Faculty of Arts and Science may take ESL courses for credit, up to a maximum of six credits.

ESL 202 Developing Academic English Language Skills (6 credits)

Prerequisite/Corequisite:

Placement by the Concordia Comprehensive ESL Placement Test (ConCEPT) is required.

Description:

This course helps non-native-speaking students develop the language skills necessary for academic work through an integrated program of grammar, vocabulary, reading, and writing. The coursework enables students to build a wide range of vocabulary and grammatical structures and apply them to essential university tasks such as paraphrasing, expository writing, and processing academic texts.

Component(s):

"Workshop"

ESL 204 Refining Academic English Language Skills (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ESL 202 or placement by the Concordia Comprehensive ESL Placement Test (ConCEPT) is required.

Description:

This course helps non-native-speaking students strengthen their English language skills and apply them to high-level academic tasks such as critical reading, synthesizing, and integrated writing assignments. Attention is paid to analyzing patterns in written English and making appropriate language choices as well as identifying, integrating, and referencing appropriate academic source material.

Component(s):

"Workshop"

ESL 205 Academic Oral Communication I (3 credits)

Prerequisite/Corequisite:

Placement by the Concordia Comprehensive ESL Placement Test (ConCEPT) is required.

Description:

This course helps students develop the oral skills necessary for speaking and listening in an English-speaking academic environment. The focus of the course is the improvement of students' overall pronunciation skills, including native-like production of English speech at the level of individual sounds, words, and sentences, as well as the development of the listening skills necessary for effective oral communication. This course includes a multimedia language lab component.

Component(s):

"Workshop"

ESL 206 Academic Oral Communication II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ESL 205 or placement by the Concordia Comprehensive ESL Placement Test (ConCEPT) is required.

Description:

This course helps students achieve greater intelligibility and fluency by practising oral communication skills in meaningful discourse, as part of communicative activities and public-speaking assignments. Emphasis is placed on the learning of speech phenomena at the discourse level such as production of native-like stress, rhythm, intonation, and speaking rate. This course includes a multimedia language lab component.

Component(s):

"Workshop"

ESL 298 Selected Topics in ESL (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Information Studies Courses

INST 250 Introductory Information Literacy Skills (3 credits)

Description:

This course is designed to introduce students to basic research practices. It familiarizes students with a variety of information sources in both print and non-print formats. Emphasis is placed on developing a systematic search strategy in the use and evaluation of the information sources. Topics such as outlining and bibliographic format are covered as part of the research process.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EDUC 250 may not take this course for credit.

Library Studies Courses

LIBS 495 Field Practice (3 credits)

Description:

In consultation with the appropriate supervising librarian, the student is placed in a local library system other than the library in which the student is employed. The duration of the field practice is five weeks. Field practice includes a wide variety of library tasks. In addition, the student is required to complete a written research project on a topic approved by the professor.

Teaching English as a Second Language Courses

TESL 201 Introduction to Teaching English as a Second Language (3 credits)

Description:

This introductory course provides students with a comprehensive idea of what Teaching English as a Second Language entails. Activities are chosen to expose students to the wide range of possibilities of teaching English in Quebec and around the world. Students are initiated into this much-in-demand profession through project-based activities that require them to apply course concepts and put teaching skills into practice. They also develop skills in exploiting spoken and written texts as resources for language learning.

Component(s):

"Lecture"

Notes:

- Students currently enrolled in the BEd and Certificate in TESL programs may not take this course for credit.

TESL 221 Teaching and Learning English Pronunciation (3 credits)

Prerequisite/Corequisite:

The following course must be completed concurrently: TESL 231.

Description:

The aim of this course is to provide students with a knowledge of the major features of the English sound system, and to prepare them, through practical teaching assignments with ESL students, to apply this knowledge in the language classroom. Contrasts and comparisons are made with French and other languages.

Component(s):

"Lecture"

TESL 231 English Grammar for Teachers (3 credits)

Prerequisite/Corequisite:

Enrolment in the Early Childhood and Elementary Education or the Art Education - Visual Arts program is required. Students enrolled in the BEd in Teaching English as a Second Language must take TESL 221 concurrently.

Description:

This course provides students with an introduction to the grammatical system of English: morphemes, words, phrases, clauses, and sentences. Students become familiar with basic concepts and terminology in English grammar along with written usage conventions. They receive a coherent framework for analyzing English grammar, correcting grammar and usage errors, and writing texts designed for specific audiences.

Component(s):

"Lecture"

Notes:

- For BEd in TESL only: Students who do not achieve at least a C+ grade in TESL 231 are placed on conditional standing within the program and will be so informed in writing by the TESL program director. Students will be allowed to repeat this course only once in order to achieve the required grade.
- Students who have received credit for TESL 232 may not take this course for credit.

TESL 298 Selected Topics in TESL (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

TESL 299 Selected Topics in TESL (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

TESL 324 Teaching Listening and Speaking in ESL (3 credits)

Description:

This course reviews current theory in applied linguistics which relates directly to teaching and learning ESL in the classroom. Techniques and methods appropriate to child, adolescent, and adult learners are discussed and demonstrated. In this

course, the emphasis is on classroom-oriented techniques and materials related to the teaching and assessment of listening and speaking skills.

Component(s):

"Lecture"

Notes:

- Students enrolled in the BEd Specialization in Teaching English as a Second Language may not take this course for credit.

TESL 326 Introduction to ESL Pedagogy (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: TESL 221; TESL 231. The following course must be completed previously or concurrently: EDUC 200.

Description:

The purpose of this course is to introduce students to the profession of teaching English as a second language to children, adolescents, and adults. Students examine a variety of approaches and methodologies that have been used in the past and how these have contributed to current thinking and practices. They have the opportunity to observe English-language instruction in a variety of settings through visits and video presentations. They discuss issues related to lesson planning, audio-visual aids, classroom organization and management techniques. Special attention is paid to the creation of lessons appropriate to adult learners. A minimum of 30 hours is spent observing and assisting in adult ESL classes. Assignments include classroom-based projects.

Component(s):

"Lecture"; "Practicum/Internship/Work Term"

Notes:

- Students who do not achieve at least a C grade in this course are placed on conditional standing within the program and are informed in writing by the TESL program director. Students are allowed to repeat this course only once in order to achieve the required grade.

TESL 330 Computers in Language Learning (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: TESL 221; TESL 231; TESL 326.

Description:

The purpose of this course is to introduce students to the uses of the computer in the ESL class. Students acquire knowledge of computer applications for language learning and how to incorporate this knowledge into classroom practice.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who do not achieve at least a C grade in this course are placed on conditional standing within the program and are informed in writing by the TESL program director. Students are allowed to repeat this course only once in order to achieve the required grade.

TESL 331 Teaching English Grammar (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: TESL 231 with a grade of C+ or better.

Description:

The purpose of this course is to provide students with current approaches, methods, and materials in the teaching of grammar to children, adolescents, and adults of the ESL classroom. Students are prepared to analyze critically and modify published classroom materials related to the teaching and learning of grammar.

Component(s):

"Lecture"

Notes:

- Students who do not achieve at least a C grade in this course are placed on conditional standing within the program and are informed in writing by the TESL program director. Students are allowed to repeat this course only once in order to achieve the required grade.

TESL 341 Second Language Acquisition (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: TESL 221; TESL 231. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines sociocultural and psycho-linguistic influences on the acquisition of a first and second language. These issues are examined in relation to the learning and teaching of a second language to children, adolescents, and adult learners.

Component(s):

"Lecture"

TESL 351 Teaching English Vocabulary (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: TESL 221 and TESL 231 with a grade of C+ or better. The following courses must be completed previously or concurrently: TESL 415; TESL 427; TESL 467. If prerequisites are not satisfied, permission of the Department is required.

Description:

The purpose of this course is to provide students with an overview of teaching and learning vocabulary. The course explores key theories and research related to vocabulary development throughout history and second language vocabulary acquisition. In-class activities and assignments help students to examine and develop vocabulary teaching strategies to apply to the teaching of vocabulary for elementary and secondary ESL learners.

Component(s):

"Lecture"

TESL 398 Selected Topics in TESL (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

TESL 399 Selected Topics in TESL (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

TESL 415 Assessment in Second Language Teaching (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: TESL 426 or TESL 427.

Description:

The purpose of this course is to prepare students to test and evaluate learners in different types of ESL programs. Students examine syllabi and evaluation systems used in the schools and become familiar with evaluation-related documents produced by the MEQ.

Component(s):

"Lecture"

TESL 424 Teaching Reading and Writing in ESL (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: TESL 324.

Description:

This course continues the presentation of techniques and methods begun in TESL 324. In this course the emphasis is on classroom-oriented techniques and materials related to the teaching and assessment of reading and writing skills.

Component(s):

"Lecture"

Notes:

- Students enrolled in the BEd Specialization in Teaching English as a Second Language may not take this course for credit.

TESL 426 Teaching Elementary ESL (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: TESL 326. The following courses must be completed previously or concurrently: TESL 330; TESL 466; EDUC 210.

Description:

The purpose of this course is to familiarize students with the principles of TESL pedagogy in regular and intensive ESL primary classrooms. This course emphasizes knowledge of primary-school programs and approved materials set out by the MEQ. Students learn classroom management techniques, assessment practices, and how to adapt materials to specific primary-school contexts.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who do not achieve at least a C grade in this course are placed on conditional standing within the program and are informed in writing by the TESL program director. Students are allowed to repeat this course only once in order to achieve the required grade.

TESL 427 Teaching Secondary ESL (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: TESL 426; TESL 466; The following course must be completed concurrently: TESL 467.

Description:

The purpose of this course is to familiarize students with the principles of TESL pedagogy in regular and Language Arts (ESL-LA) ESL secondary classrooms. This course emphasizes knowledge of the secondary programs and approved materials set out by the MEQ. Students learn classroom management techniques, assessment practices, and how to adapt materials to specific secondary-school contexts.

Component(s):

"Lecture"

Notes:

- Students who do not achieve at least a C grade in this course are placed on conditional standing within the program and are informed in writing by the TESL program director. Students are allowed to repeat this course only once in order to achieve the required grade.

TESL 435 Practicum (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: TESL 331; TESL 341; TESL 424. Enrolment in the TESL Certificate or Minor is required.

Description:

In this course, students practise techniques which were introduced in their methodology courses, TESL 324 and TESL 424. This course includes lectures and field teaching experiences. The lectures will focus on theories and techniques for the assessment of ESL learners. The field teaching experiences will include observation of ESL classes, peer teaching, and the facilitation of sessions with groups of ESL learners. Requirements include lesson planning, assessment of ESL learners, and the evaluation of peers and one's own teaching performance.

Component(s):

"Lecture"; "Practicum/Internship/Work Term"

Notes:

- Students enrolled in the BEd Specialization in Teaching English as a Second Language may not take this course for credit.
- Students will be allowed to repeat this course only once in order to achieve the required grade.
- Students in the TESL Certificate and Minor must achieve at least a "C" grade in this course.
- See Calendar Section 16.2.6 Repetition of Courses for regulations regarding repetition of courses.

TESL 466 Elementary ESL Internship I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: TESL 330; TESL 426; EDUC 210.

Description:

The purpose of this course is to apply the principles acquired in TESL 426 to the teaching of ESL to primary-school learners. Students attend on-campus seminars and spend a minimum of 140 hours observing and teaching in a primary school supervised by a co-operating teacher and a university professor.

Component(s):

"Practicum/Internship/Work Term"

TESL 467 Secondary ESL Internship I (3 credits)

Prerequisite/Corequisite:

The following course must be completed concurrently: TESL 427. The following course must be completed previously: TESL 466.

Description:

The purpose of this course is to apply the principles acquired in TESL 427 to the teaching of ESL to secondary-school learners. Students attend on-campus seminars and spend a minimum of 140 hours observing and teaching in a secondary school supervised by a co-operating teacher and a university professor.

Component(s):

"Practicum/Internship/Work Term"

TESL 471 Teaching Secondary Advanced ESL (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: TESL 426; TESL 466. The following course must be completed previously or concurrently: TESL 427.

Description:

The purpose of this course is to familiarize students with the principles and techniques of teaching comprehension and production skills to advanced secondary learners of ESL. Students are made familiar with current approaches to the teaching of high-level oral interaction skills, reading and writing skills, corrective feedback to writing, and the use of long-term projects and portfolios. The use of authentic English texts such as essays, novels, short stories, poetry, and drama is emphasized.

Component(s):

"Lecture"

Notes:

- Students who do not achieve at least a C grade in this course are placed on conditional standing within the program and are informed in writing by the TESL program director. Students are allowed to repeat this course only once in order to achieve the required grade.
- Students who have received credit for TESL 318 or for this topic under a TESL 498 number may not take this course for credit.

TESL 486 Elementary ESL Internship II (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGL 212 and ENGL 213 with a grade of C+ or better; EDUC 200; EDUC 450; EDUC 454; TESL 330; TESL 331; TESL 341; TESL 415; TESL 426; TESL 466; TESL 471. The following course must be completed concurrently: TESL 487; TESL 488. Students must have completed a total of 105 credits prior to enrolling.

Description:

The purpose of this course is to further develop the skills required in teaching ESL to primary-school learners. Students teach a minimum of 210 hours supervised by a co-operating teacher and a university professor. In addition, students attend on-campus seminars in which they discuss and reflect upon their experiences in the schools.

Component(s):

"Practicum/Internship/Work Term"

TESL 487 Secondary ESL Internship II (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: EDUC 200, TESL 467. The following courses must be completed concurrently: TESL 486; TESL 488.

Description:

The purpose of this course is to further develop the skills required in teaching ESL to secondary-school learners. Students teach a minimum of 210 hours supervised by a co-operating teacher and a university professor. In addition, students attend on-campus seminars in which they discuss and reflect upon their experiences in the schools.

Component(s):

"Practicum/Internship/Work Term"

TESL 488 Internship Seminar (3 credits)

Prerequisite/Corequisite:

The following courses must be completed concurrently: TESL 486; TESL 487.

Description:

The purpose of this course is to integrate the knowledge gained during the BEd with the knowledge that students have acquired during practice in the field. Students reflect on and make explicit their own professional and personal development over the course of the four-year program and set goals for future long-term professional development.

Component(s):

"Seminar"

TESL 491 Study in a Special Subject (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course provides an opportunity for advanced students to intensify their study beyond the area of specialization already represented by the curriculum. The selected subject varies with the special interest of the instructor conducting the course in any given year.

TESL 492 Study in a Special Subject (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required. A student repeating TESL 491 registers for credits under TESL 492.

TESL 493 SLA Classroom-based Research (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This reading course provides an opportunity for advanced students to design and implement a short-term research project under the mentorship of a faculty member regarding second language acquisition (SLA). The selected research topic and research plan may vary from year to year.

Component(s):

"Reading"

TESL 498 Advanced Topics in TESL (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

TESL 499 Advanced Topics in TESL (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Section 31.100 Department of English

Department of English

English Programs

Creative Writing

BA Major in Creative Writing

Minor in Creative Writing

English and Creative Writing

BA Honours in English and Creative Writing

English and History

BA Joint Specialization in English and History

English Literature

BA Honours in English Literature

BA Specialization in English Literature

BA Major in English Literature

Minor in English Literature

Professional Writing

Minor in Professional Writing

English Course Groups

English C.Edge (Career Edge) Option

Department of English Courses

Department of English

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/english.html

Department Objectives

The Department of English offers studies in literature, creative writing, and composition. Literary studies encourage appreciation and critical analysis of texts in their historical, literary, and cultural contexts. The Creative Writing program allows students to learn the craft involved in the production of original literary work. Professional Writing courses develop writing skills for use in business, technical, and other professional environments. Composition courses help to develop writing skills from basic to advanced levels.

Admission Requirements

TOEFL iBT Requirement

In order to be considered for admission to any of the programs offered by the Department of English, International applicants whose first language is not English must submit a recent TOEFL iBT score of 100 or higher with a minimum of 22 on the writing section. These tests must have been written within the past 24 months.

Admission Requirements for Creative Writing Courses and Programs

Creative Writing programs (Major in Creative Writing, Minor in Creative Writing, Honours in English and Creative Writing) are designed to develop the literary skills of students with a commitment to writing as an art form. Structured workshops guide students through the practice of their craft from introductory to advanced levels under the supervision of experienced writers. Enrolment is limited to permit constructive analysis of a student's work.

Admission to the Creative Writing programs and courses requires approval of a creative portfolio and a letter of intent. Students wishing to enter any introductory genre course in Creative Writing (ENGL 225, ENGL 226, ENGL 227) or the Creative Writing programs (Major, Minor, Honours in English and Creative Writing) must apply by submitting a letter of intent and a portfolio consisting of a maximum of 15 pages of their best writing in poetry, drama, and/or fiction (short stories or novel excerpts). For students applying to the Creative Writing programs, submission in more than one genre is required.

Portfolios and letters of intent must be uploaded in PDF format by going to the Student Hub > My CU Account > Student Centre. Application deadlines for students new to Concordia or in Concordia degree programs other than the BA are November 1 (for January admission) and March 1 (for September admission). Applications in these cases will be received as early as September and January, respectively. For students currently in a BA program in another discipline, the portfolio and letter of intent must be uploaded **directly** to the Student Centre in PDF format by June 1 for courses starting in September and by November 7 for courses starting in January. Since student demand regularly outpaces enrolment capacity, early application is advisable in all cases.

For further details on, and updates to, admission procedures, please consult the Department of English website. Students are required to complete the appropriate entrance profile for entry into the program (see Section 31.002 Programs and Admission Requirements — Profiles).

Requirements for Composition Courses

Before taking a composition course for the first time, students must take a placement test to determine which of the following courses is best suited to their writing needs: ENGL 206, ENGL 207, ENGL 210, ENGL 212, ENGL 213, or ENGL 396. Students in English Literature, Creative Writing, or Professional Writing programs write a placement test adapted to reflect their interests in

literature and language. ENGL 206, ENGL 207, ENGL 210, ENGL 212, and ENGL 213 do not count toward English Literature or Creative Writing programs, but may be counted as general electives.

BA Major in Creative Writing

Program Requirements

Major in Creative Writing (42 credits)

12 credits chosen from:

- ENGL 225 Introductory Creative Writing: Poetry (6.00)
- ENGL 226 Introductory Creative Writing: Prose Fiction (6.00)
- ENGL 227 Introductory Creative Writing: Playwriting (6.00)

6 credits chosen from:

- ENGL 3420 Studies in Creative Writing: Prose Fiction (3.00)
- ENGL 3480 Studies in Creative Writing: Poetry (3.00)
- ENGL 3840 Studies in Creative Writing: Playwriting (3.00)

12 credits chosen from:

- ENGL 3420 Studies in Creative Writing: Prose Fiction (3.00)
- ENGL 347 Creative Non-Fiction Writing (3.00)
- ENGL 3480 Studies in Creative Writing: Poetry (3.00)
- ENGL 3840 Studies in Creative Writing: Playwriting (3.00)
- ENGL 414 Literary Publishing and Editing (3.00)
- ENGL 415 Literary Production: Curating and Archiving the Literary Event (3.00)
- ENGL 4170 Writing for Media (3.00)
- ENGL 4180 Digital Editing and Publishing (3.00)
- ENGL 429 Advanced Studies in Creative Writing (3.00)

12 credits chosen from any of the following English course groups (excluding ENGL 224 and all Creative Writing workshops):

200-level English Literature Electives

Periods before 1800 (British) Literature

19th-Century and 20th-Century (British and European) Literature

Canadian Literature

American Literature

Indigenous Literature

Literary Theory or History of Criticism

Postcolonial Literature

Note: The Department of English limits students to 12 credits of creative writing courses in a single academic year.

Notes

- Students wishing to register for the Major in Creative Writing should refer to the admission requirements for Creative Writing courses and programs.
- Students are responsible for satisfying their particular degree requirements.

Minor in Creative Writing

Program Requirements

Minor in Creative Writing (24 credits)

12 credits chosen from:

- ENGL 225 Introductory Creative Writing: Poetry (6.00)
- ENGL 226 Introductory Creative Writing: Prose Fiction (6.00)
- ENGL 227 Introductory Creative Writing: Playwriting (6.00)

6 credits chosen from:

- ENGL 3420 Studies in Creative Writing: Prose Fiction (3.00)
- ENGL 3480 Studies in Creative Writing: Poetry (3.00)
- ENGL 3840 Studies in Creative Writing: Playwriting (3.00)

6 credits chosen from any of the following English course groups (excluding ENGL 224 and all Creative Writing workshops):

200-level English Literature Electives

Periods before 1800 (British) Literature

19th-Century and 20th-Century (British and European) Literature

Canadian Literature

American Literature

Indigenous Literature

Literary Theory or History of Criticism

Postcolonial Literature

Note: The Department of English limits students to 6 credits of creative writing courses in a single academic year.

Notes

- Students wishing to register for the Minor in Creative Writing should refer to the admission requirements for Creative Writing courses and programs.
- Students are responsible for satisfying their particular degree requirements.

BA Honours in English and Creative Writing

Program Requirements

Honours in English and Creative Writing (66 credits)

9 credits:

- ENGL 260 Introduction to Literary Studies (3.00)
- ENGL 261 Literatures in English before 1660 (3.00)
- ENGL 262 Literatures in English after 1660 (3.00)

12 credits chosen from:

- ENGL 225 Introductory Creative Writing: Poetry (6.00)
- ENGL 226 Introductory Creative Writing: Prose Fiction (6.00)
- ENGL 227 Introductory Creative Writing: Playwriting (6.00)

15 credits chosen from the following four course groups, with at least three credits taken in three of the groups. A course can only be counted in one group, even if it is listed in more than one.

1) Early and Medieval Literature
2) Renaissance Literature
3) 18th-Century Literature
4) 19th-Century Literature

6 credits chosen from:

- ENGL 3420 Studies in Creative Writing: Prose Fiction (3.00)
- ENGL 3480 Studies in Creative Writing: Poetry (3.00)
- ENGL 3840 Studies in Creative Writing: Playwriting (3.00)

6 credits chosen from:

- ENGL 3420 Studies in Creative Writing: Prose Fiction (3.00)
- ENGL 347 Creative Non-Fiction Writing (3.00)
- ENGL 3480 Studies in Creative Writing: Poetry (3.00)
- ENGL 3840 Studies in Creative Writing: Playwriting (3.00)
- ENGL 414 Literary Publishing and Editing (3.00)
- ENGL 415 Literary Production: Curating and Archiving the Literary Event (3.00)
- ENGL 4170 Writing for Media (3.00)

- ENGL 4180 Digital Editing and Publishing (3.00)
- ENGL 429 Advanced Studies in Creative Writing (3.00)

6 credits chosen from the following course groups:

Modern and Contemporary Literature

American Literature

Indigenous Literature

Postcolonial Literature

3 credits chosen from the following course group:

Canadian Literature

9 credits chosen from any of the following English course groups (excluding ENGL 224 and all Creative Writing workshops):

200-level English Literature Electives

Periods before 1800 (British) Literature

19th-Century and 20th-Century (British and European) Literature

Canadian Literature

American Literature

Indigenous Literature

Literary Theory or History of Criticism

Postcolonial Literature

Note: The Department of English limits students to 12 credits of creative writing courses in a single academic year.

Note: At least three credits of coursework in English Literature must be at the 400 level; these three credits can coincide with fulfilling any of the other requirements.

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students wishing to register for Honours in English and Creative Writing should refer to the admission requirements for Creative Writing courses and programs.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Joint Specialization in English and History

Program Requirements

Joint Specialization in English and History (60 credits)

6 credits:

- ENGL 261 Literatures in English before 1660 (3.00)
- ENGL 262 Literatures in English after 1660 (3.00)

6 credits of English courses chosen from the following course group:

Periods before 1800 (British) Literature

6 credits of English courses chosen from the following course groups:

Canadian Literature

American Literature

Postcolonial Literature

6 credits of English courses chosen from the following course group:

19th-Century and 20th-Century (British and European) Literature

6 credits chosen from any of the following English course groups:

200-level English Literature Electives

Periods before 1800 (British) Literature

19th-Century and 20th-Century (British and European) Literature

Canadian Literature

American Literature

Indigenous Literature

Literary Theory or History of Criticism

Modern and Contemporary Literature

Postcolonial Literature

Topics and Independent Study Courses

3 credits:

- HIST 200 Introduction to History (3.00)

12 credits of History Courses at the 200 level

9 credits of History Courses at the 300 level

6 credits of History Courses at the 300 or 400 level

Note: Students must take at least three credits from each of the following groups in any combination at the 200, 300 or 400 level:

Global/Thematic/Public History

History of Asia or Africa

History of Europe

History of the Americas

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Honours in English Literature

Program Requirements

Honours in English Literature (60 credits)

9 credits:

- ENGL 260 Introduction to Literary Studies (3.00)
- ENGL 261 Literatures in English before 1660 (3.00)
- ENGL 262 Literatures in English after 1660 (3.00)

Note: The above nine credits are to be taken within the first 24 credits.

18 credits chosen from the following four course groups, with at least three credits taken from each group. A course can only be counted in one group, even if it is listed in more than one.

Early and Medieval Literature

Renaissance Literature

18th-Century Literature

19th-Century Literature

12 credits chosen from the following three course groups, with at least three credits taken from each group. A course can only be counted in one group, even if it is listed in more than one.

Modern and Contemporary Literature

American Literature

Canadian Literature

3 credits chosen from one of the following course groups:

Indigenous Literature

Postcolonial Literature

3 credits chosen from the following course group:

Literary Theory or History of Criticism

3 credits:

- ENGL 470 Honours Seminar (3.00)

12 credits chosen from any of the following English course groups:

200-level English Literature Electives

Periods before 1800 (British) Literature

19th-Century and 20th-Century (British and European) Literature

Canadian Literature

American Literature

Indigenous Literature

Literary Theory or History of Criticism

Modern and Contemporary Literature

Postcolonial Literature

Topics and Independent Study Courses

Note: Honours students must take at least nine credits at the 400 level, including ENGL 470. However, a student, in consultation with the honours-majors advisor may substitute another 400-level course for ENGL 470.

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in English Literature

Program Requirements

Specialization in English Literature (60 credits)

9 credits:

- ENGL 260 Introduction to Literary Studies (3.00)
- ENGL 261 Literatures in English before 1660 (3.00)
- ENGL 262 Literatures in English after 1660 (3.00)

Note: The above nine credits are to be taken within the first 24 credits.

15 credits chosen from the following four course groups, with at least three credits taken from each group. A course can only be counted in one group, even if it is listed in more than one.

Early and Medieval Literature

Renaissance Literature

18th-Century Literature

19th-Century Literature

15 credits chosen from the following three course groups, with at least three credits taken from each group. A course can only be counted in one group, even if it is listed in more than one.

Modern and Contemporary Literature

American Literature

Canadian Literature

3 credits chosen from one of the following course groups:

Indigenous Literature

Postcolonial Literature

18 credits chosen from any of the following English course groups:

200-level English Literature Electives

Periods before 1800 (British) Literature

19th-Century and 20th-Century (British and European) Literature

Canadian Literature

American Literature

Indigenous Literature

Literary Theory or History of Criticism

Modern and Contemporary Literature

Postcolonial Literature

Topics and Independent Study Courses

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Major in English Literature

Program Requirements

Major in English Literature (42 credits)

9 credits:

- ENGL 260 Introduction to Literary Studies (3.00)
- ENGL 261 Literatures in English before 1660 (3.00)
- ENGL 262 Literatures in English after 1660 (3.00)

Note: The above nine credits are to be taken within the first 24 credits.

6 credits chosen from the following course group:

Periods before 1800 (British) Literature

6 credits chosen from the following course group:

19th-Century and 20th-Century (British and European) Literature

6 credits chosen from the following course groups:

Canadian Literature

American Literature

Indigenous Literature

Postcolonial Literature

15 credits chosen from any of the following English course groups, with at least 3 credits at the 300 or 400 level:

200-level English Literature Electives

Periods before 1800 (British) Literature

19th-Century and 20th-Century (British and European) Literature

Canadian Literature

American Literature

Indigenous Literature

Literary Theory or History of Criticism

Modern and Contemporary Literature

Postcolonial Literature

Topics and Independent Study Courses

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in English Literature

Program Requirements

Minor in English Literature (24 credits)

3 credits:

- ENGL 260 Introduction to Literary Studies (3.00)

21 credits chosen from any of the following course groups:

200-level English Literature Electives

Periods before 1800 (British) Literature

19th-Century and 20th-Century (British and European) Literature

Canadian Literature

American Literature

Indigenous Literature

Literary Theory or History of Criticism

Modern and Contemporary Literature

Postcolonial Literature

Topics and Independent Study Courses

Notes

- Students are encouraged to consult with the Department in selecting their courses.
- Students are responsible for satisfying their particular degree requirements.

Minor in Professional Writing

Program Requirements

Minor in Professional Writing (24 credits)

12 credits:

- ENGL 213 English Composition — Stage II (3.00)
- ENGL 214 Editing I: Grammar, Usage, and Style (3.00)
- ENGL 215 Editing II: Principles and Practice of Editing (3.00)
- ENGL 216 Audience and Purpose in Professional Writing (3.00)

6 credits:

- ENGL 396 Content Creation and Management in Professional Writing (6.00)

3 credits chosen from:

- ENGL 395 Technical Writing (3.00)
- ENGL 397 Writing for Business (3.00)

3 credits chosen from:

- EDUC 270 Educational Communication (3.00)
- ENGL 233 Methods of Literary Analysis (3.00)
- ENGL 390 Studies in Rhetoric (3.00)
- ENGL 395 Technical Writing (3.00)
- ENGL 397 Writing for Business (3.00)

Notes

- Students are encouraged to consult with the Department in selecting their courses.
- Students are responsible for satisfying their particular degree requirements.

English Course Groups

200-level English Literature Electives

- ENGL 224 The Creative Process (3.00)
- ENGL 231 The Global Middle Ages (3.00)
- ENGL 233 Methods of Literary Analysis (3.00)
- ENGL 234 Poetry (3.00)
- ENGL 235 Short Fiction (3.00)
- ENGL 237 Tragedy (3.00)
- ENGL 238 Comedy (3.00)
- ENGL 240 Drama (3.00)
- ENGL 241 The Novel (3.00)
- ENGL 2420 Adaptations (3.00)
- ENGL 2421 Literature Out Loud (3.00)
- ENGL 243 Satire (3.00)
- ENGL 244 Quebec/Montreal Writing in English (3.00)
- ENGL 2450 Horror and the Gothic (3.00)
- ENGL 246 Science Fiction and Fantasy (3.00)
- ENGL 249 Children's Literature (3.00)
- ENGL 250 Forms of Popular Writing (3.00)
- ENGL 251 The Graphic Novel (3.00)
- ENGL 2520 Legends of Arthur (3.00)
- ENGL 2530 Shakespeare and Film (3.00)
- ENGL 2540 Detective Fiction (3.00)
- ENGL 255 Video Games and/as Literature (3.00)
- ENGL 2550 Reading Pop Culture (3.00)
- ENGL 260 Introduction to Literary Studies (3.00)
- ENGL 261 Literatures in English before 1660 (3.00)
- ENGL 262 Literatures in English after 1660 (3.00)
- ENGL 298 Selected Topics in English (3.00)

Early and Medieval Literature

- ENGL 302 History of the English Language (3.00)
- ENGL 3040 Chaucer: Tragedy and Philosophy (3.00)
- ENGL 3041 Chaucer: The Canterbury Tales (3.00)
- ENGL 305 Studies in Medieval English Literature (3.00)
- ENGL 306 Tolkien's Old English (3.00)
- ENGL 307 The Viking Age in Poetry and Prose (3.00)
- ENGL 308 Mysteries, Miracles, and Medieval Drama (3.00)
- ENGL 430 Old English: Intensive Course (6.00)
- ENGL 4320 Middle English (3.00)
- ENGL 434 Advanced Topics in Medieval Literature (3.00)

Renaissance Literature

- ENGL 3090 Women Writers of the Early Modern Period (3.00)
- ENGL 310 English Renaissance Poetry (3.00)
- ENGL 311 English Renaissance Prose (3.00)
- ENGL 3150 Major Author, Renaissance (3.00)
- ENGL 316 Spenser (3.00)
- ENGL 317 Studies in English Renaissance Literature (3.00)
- ENGL 318 English Renaissance Drama (3.00)
- ENGL 319 Milton (3.00)
- ENGL 3200 Shakespeare: Histories and Tragedies (3.00)
- ENGL 3201 Shakespeare: Comedies and Romances (3.00)
- ENGL 437 Advanced Topics in Renaissance Literature (3.00)

18th-Century Literature

- ENGL 321 Studies in Restoration and Early 18th-Century Literature (3.00)
- ENGL 322 Restoration and 18th-Century Drama (3.00)
- ENGL 323 The Literature of Sensibility (3.00)
- ENGL 3250 Major Author, 18th Century (3.00)
- ENGL 326 Studies in 18th-Century British Literature (3.00)

- ENGL 327 Restoration and 18th-Century Satire (3.00)
- ENGL 328 The Rise of the Novel (3.00)
- ENGL 331 Women Writers of the 18th Century (3.00)
- ENGL 441 Advanced Topics in 18th-Century Literature (3.00)

19th-Century Literature

- ENGL 3290 Romanticism (3.00)
- ENGL 332 Studies in 19th-Century Literature (3.00)
- ENGL 333 19th-Century Poetry (3.00)
- ENGL 334 19th-Century Fiction (3.00)
- ENGL 3341 Women Writers of the 19th Century (3.00)
- ENGL 3351 Colonialism and Empire in the Victorian period (3.00)
- ENGL 3361 Major Author, 19th Century (3.00)
- ENGL 443 Advanced Topics in 19th-Century Literature (3.00)

Modern and Contemporary Literature

- ENGL 338 Studies in 20th-Century British Literature (3.00)
- ENGL 3390 Black British Literature and Culture (3.00)
- ENGL 3400 Modernism (3.00)
- ENGL 341 Modern Fiction (3.00)
- ENGL 343 Modern European Literature (3.00)
- ENGL 345 Modern Drama (3.00)
- ENGL 349 Modern Poetry (3.00)
- ENGL 3491 Major Author, 20th Century (3.00)
- ENGL 351 Women Writers of the 20th Century (3.00)
- ENGL 352 Contemporary Women Writers (3.00)
- ENGL 3521 Queer and Trans Writers (3.00)
- ENGL 353 Contemporary Irish Literature (3.00)
- ENGL 354 Studies in 21st-Century Literature (3.00)
- ENGL 355 Joyce (3.00)
- ENGL 356 The Irish Short Story Tradition (3.00)
- ENGL 357 The Irish Literary Revival (3.00)

- ENGL 359 Studies in Irish Literature (3.00)
- ENGL 446 Advanced Topics in 20th-Century Literature (3.00)
- ENGL 4490 Advanced Topics in International Modernism (3.00)
- ENGL 4991 Major Texts in Modern Thought (3.00)

Canadian Literature

- ENGL 244 Quebec/Montreal Writing in English (3.00)
- ENGL 3700 Studies in Canadian Literature (3.00)
- ENGL 373 19th-Century Canadian Literature (3.00)
- ENGL 374 20th-Century Canadian Literature (3.00)
- ENGL 3771 Race and Ethnicity in Canadian Literature (3.00)
- ENGL 378 Canadian Poetry (3.00)
- ENGL 3790 Canadian Fiction (3.00)
- ENGL 453 Advanced Topics in Canadian Literature (3.00)

American Literature

- ENGL 3600 Studies in American Literature (3.00)
- ENGL 362 Pre-Civil War American Literature (3.00)
- ENGL 363 Post-Civil War American Literature (3.00)
- ENGL 364 20th-Century American Literature (3.00)
- ENGL 3651 Race and Ethnicity in American Literature (3.00)
- ENGL 366 The American Novel (3.00)
- ENGL 367 American Poetry (3.00)
- ENGL 369 African-American Literature (3.00)
- ENGL 450 Advanced Topics in American Literature (3.00)

Indigenous Literature

- ENGL 380 Indigenous Literatures (3.00)
- ENGL 3811 Critical Perspectives on Settler Colonialism (3.00)
- ENGL 4560 Advanced Topics in Decolonizing Theories and Literatures (3.00)

- ENGL 4561 Advanced Topics in Indigenous Studies (3.00)

Literary Theory or History of Criticism

- ENGL 300 Video Games and/as Theory (3.00)
- ENGL 3010 Literature and Media (3.00)
- ENGL 3811 Critical Perspectives on Settler Colonialism (3.00)
- ENGL 389 History of Literary Theory (3.00)
- ENGL 390 Studies in Rhetoric (3.00)
- ENGL 391 Studies in Health Humanities and Literature (3.00)
- ENGL 392 Introduction to Critical Theory (3.00)
- ENGL 393 Gender and Sexuality in Literary Studies (3.00)
- ENGL 394 Critical Race Theory (3.00)
- ENGL 3945 Black Studies and Literature (3.00)
- ENGL 3946 Environmental Humanities (3.00)
- ENGL 3999 Selected Topics in Critical Theory (3.00)
- ENGL 444 Advanced Topics in Gender and Sexuality Studies (3.00)
- ENGL 447 Advanced Topics in Critical Theory (3.00)
- ENGL 4480 Advanced Topics in Environmental Humanities (3.00)
- ENGL 4481 Advanced Topics in Literature and Media (3.00)
- ENGL 4482 Advanced Topics in Critical Race Theory (3.00)
- ENGL 4560 Advanced Topics in Decolonizing Theories and Literatures (3.00)

Postcolonial Literature

- ENGL 3811 Critical Perspectives on Settler Colonialism (3.00)
- ENGL 382 Literature of Migration and Diaspora (3.00)
- ENGL 383 African Literatures (3.00)
- ENGL 385 Studies in Postcolonial Literature and Theory (3.00)
- ENGL 386 Caribbean Literature (3.00)
- ENGL 387 South Asian Literature (3.00)
- ENGL 388 Literature from Australia and New Zealand (3.00)
- ENGL 454 Advanced Topics in Postcolonial Studies (3.00)

- ENGL 4560 Advanced Topics in Decolonizing Theories and Literatures (3.00)

Periods before 1800 (British) Literature

- ENGL 302 History of the English Language (3.00)
- ENGL 3030 Gender and Sexuality in the Middle Ages (3.00)
- ENGL 3040 Chaucer: Tragedy and Philosophy (3.00)
- ENGL 3041 Chaucer: The Canterbury Tales (3.00)
- ENGL 305 Studies in Medieval English Literature (3.00)
- ENGL 306 Tolkien's Old English (3.00)
- ENGL 307 The Viking Age in Poetry and Prose (3.00)
- ENGL 308 Mysteries, Miracles, and Medieval Drama (3.00)
- ENGL 3090 Women Writers of the Early Modern Period (3.00)
- ENGL 310 English Renaissance Poetry (3.00)
- ENGL 311 English Renaissance Prose (3.00)
- ENGL 3150 Major Author, Renaissance (3.00)
- ENGL 316 Spenser (3.00)
- ENGL 317 Studies in English Renaissance Literature (3.00)
- ENGL 318 English Renaissance Drama (3.00)
- ENGL 319 Milton (3.00)
- ENGL 3200 Shakespeare: Histories and Tragedies (3.00)
- ENGL 3201 Shakespeare: Comedies and Romances (3.00)
- ENGL 321 Studies in Restoration and Early 18th-Century Literature (3.00)
- ENGL 322 Restoration and 18th-Century Drama (3.00)
- ENGL 323 The Literature of Sensibility (3.00)
- ENGL 3250 Major Author, 18th Century (3.00)
- ENGL 326 Studies in 18th-Century British Literature (3.00)
- ENGL 327 Restoration and 18th-Century Satire (3.00)
- ENGL 328 The Rise of the Novel (3.00)
- ENGL 331 Women Writers of the 18th Century (3.00)
- ENGL 430 Old English: Intensive Course (6.00)
- ENGL 4320 Middle English (3.00)
- ENGL 434 Advanced Topics in Medieval Literature (3.00)

- ENGL 437 Advanced Topics in Renaissance Literature (3.00)
- ENGL 441 Advanced Topics in 18th-Century Literature (3.00)

19th-Century and 20th-Century (British and European) Literature

- ENGL 3290 Romanticism (3.00)
- ENGL 332 Studies in 19th-Century Literature (3.00)
- ENGL 333 19th-Century Poetry (3.00)
- ENGL 334 19th-Century Fiction (3.00)
- ENGL 3341 Women Writers of the 19th Century (3.00)
- ENGL 3351 Colonialism and Empire in the Victorian period (3.00)
- ENGL 3361 Major Author, 19th Century (3.00)
- ENGL 338 Studies in 20th-Century British Literature (3.00)
- ENGL 3390 Black British Literature and Culture (3.00)
- ENGL 3400 Modernism (3.00)
- ENGL 341 Modern Fiction (3.00)
- ENGL 343 Modern European Literature (3.00)
- ENGL 345 Modern Drama (3.00)
- ENGL 349 Modern Poetry (3.00)
- ENGL 3491 Major Author, 20th Century (3.00)
- ENGL 351 Women Writers of the 20th Century (3.00)
- ENGL 352 Contemporary Women Writers (3.00)
- ENGL 3521 Queer and Trans Writers (3.00)
- ENGL 353 Contemporary Irish Literature (3.00)
- ENGL 355 Joyce (3.00)
- ENGL 356 The Irish Short Story Tradition (3.00)
- ENGL 357 The Irish Literary Revival (3.00)
- ENGL 359 Studies in Irish Literature (3.00)
- ENGL 443 Advanced Topics in 19th-Century Literature (3.00)
- ENGL 446 Advanced Topics in 20th-Century Literature (3.00)
- ENGL 4490 Advanced Topics in International Modernism (3.00)

Topics and Independent Study Courses

- ENGL 398 Selected Topics in English (3.00)
- ENGL 498 Advanced Topics in English (3.00)
- ENGL 480 Independent Studies (3.00)
- ENGL 4990 Advanced Topics, Major Author (3.00)

English C.Edge (Career Edge) Option

C.Edge (Career Edge)

The English C.Edge option is offered through the Institute for Co-operative Education to students enrolled in the Minor in Professional Writing. Like the co-operative program, C.Edge allows students to gain practical experience through work terms related to their field of study. It is limited to one or two work terms, normally in the summer. Students interested in applying for the C.Edge option should refer to Institute for Co-operative Education where a full description is provided.

Department of English Courses

ENGL 206 Fundamentals of Written English – Stage I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ESL 204 or placement test.

Description:

This course provides training in grammar and idiomatic usage, through practice with articles and plurals, verb forms and tenses, prepositions and verb-preposition combinations, sentence structure, and punctuation, as well as reading comprehension and vocabulary development through practice in paraphrasing short texts.

Component(s):

"Lecture"

Notes:

- This course does not count for credit within any English program.
- Students who have received credit for this course may not subsequently take any ESL course for credit.

ENGL 207 Fundamentals of Written English – Stage II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 206 or placement test.

Description:

This course continues the work begun in ENGL 206 by providing additional training and practice in grammar and idiomatic usage, sentence structure and punctuation, as well as vocabulary development and reading comprehension through practice in paraphrasing and summarizing.

Component(s):

"Lecture"

Notes:

- This course does not count for credit within any English program.
- Students who have received credit for this course may not subsequently take any ESL course or English course earlier in the composition sequence for credit.

ENGL 208 Introduction to English Composition and Literary Analysis (3 credits)

Prerequisite/Corequisite:

Students must complete a placement test prior to enrolling.

Description:

This course is intended for students who wish to improve their writing skills through written analysis of fiction, drama, and literary essays.

Component(s):

"Lecture"

Notes:

- This course does not count for credit within any English Literature, Creative Writing, or Professional Writing program.
- Students who have received credit for this course may not subsequently take any ESL course for credit.

ENGL 210 Introduction to Essay Writing (3 credits)

Prerequisite/Corequisite:

The following conditions must be met prior to enrolling: completion of ENGL 207 or placement test or enrolment in the Kaié:ri Nikawerá:ke Indigenous Bridging Program.

Description:

The course provides further practice in English composition by focusing on diction, sentence structure, punctuation, paragraph development, and essay writing.

Component(s):

"Lecture"

Notes:

- This course does not count for credit within any English program.
- Students who have received credit for this course may not subsequently take ENGL 206 or ENGL 207 for credit.

ENGL 212 English Composition — Stage I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 210 or placement test.

Description:

This course is intended to help students produce clear, concise, logically organized essays and reports. Emphasis is placed on purpose, organization, and development through analysis and integration of information from a variety of sources.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course may not subsequently take any ESL course or English course earlier in the composition sequence for credit.

ENGL 213 English Composition — Stage II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 212 or placement test.

Description:

This course further develops the writing skills acquired in ENGL 212 by familiarizing students with the processes and techniques necessary for the preparation of research papers and academic reports. Emphasis is placed on summarizing and paraphrasing, critiquing ideas and information, and synthesizing, citing, and documenting multiple sources. A library research skills component is a required part of this course.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course may not subsequently take ENGL 206, ENGL 207, ENGL 210, or ENGL 212 for credit. The composition sequence also includes ENGL 396.

ENGL 214 Editing I: Grammar, Usage, and Style (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 213. Enrolment in the Minor in Professional Writing is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course offers a practical analysis of the conventions governing contemporary English grammar and usage, punctuation, sentence structure, and syntax. It focuses on stylistic effectiveness and persuasive power in diverse professional situations.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course may not subsequently take any ESL course or ENGL 206, ENGL 207, ENGL 210, or ENGL 212 for credit.

ENGL 215 Editing II: Principles and Practice of Editing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: ENGL 214.

Description:

This course builds on the concepts introduced in ENGL 214. Students are introduced also to copy editing and techniques for eliminating errors in style, mechanics, and fact, and substantive editing for identifying structural problems and reorganizing and rewriting documents.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course may not subsequently take ENGL 206, ENGL 207, ENGL 210, or ENGL 212 for credit.

ENGL 216 Audience and Purpose in Professional Writing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: ENGL 213.

Description:

This course examines the ways that information is presented to a variety of audiences through writing and the interaction of texts and images.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course may not subsequently take ENGL 206, ENGL 207, or ENGL 212 for credit.

ENGL 224 The Creative Process (3 credits)

Description:

This course introduces students to some options for developing their own process of literary creation, from the development of an idea through to the writing and editing of works of prose fiction, poetry, and/or drama. Coursework may include writing assignments, in-class exercises, readings, group presentations, and discussions. This course is open to all students.

Component(s):

"Lecture"

Notes:

- This course does not count for credit in any Creative Writing program (Major, Minor, Honours in English and Creative Writing).

ENGL 225 Introductory Creative Writing: Poetry (6 credits)

Description:

This is an introductory workshop in the writing of poetry. The first half of the course is an introduction to poetic forms and techniques. Required readings of poetry and critical essays, and exercises and assignments based on these readings, develop a common critical language and an understanding of poetry from a writer's point of view. This knowledge is applied during the second half of the course, during which the class is conducted as a writing workshop. Students submit their original work for class discussion and evaluation.

Component(s):

"Lecture"

Notes:

- Students wishing to register for ENGL 225, ENGL 226, or ENGL 227, should refer to admission requirements for Creative Writing.

ENGL 226 Introductory Creative Writing: Prose Fiction (6 credits)

Description:

This is an introductory workshop in the writing of prose fiction. The first half of the course is an introduction to prose forms and techniques. Required readings of fiction and critical essays, and exercises and assignments based on these readings, develop a common critical language and an understanding of fiction from a writer's point of view. This knowledge is applied during the second half of the course, during which the class is conducted as a writing workshop. Students submit their original work for class discussion and evaluation.

Component(s):

"Lecture"

Notes:

- Students wishing to register for ENGL 225, ENGL 226, or ENGL 227, should refer to admission requirements for Creative Writing.

ENGL 227 Introductory Creative Writing: Playwriting (6 credits)

Description:

This is an introductory workshop in the writing of plays. The first half of the course is an introduction to dramatic forms and techniques. Required readings of drama and critical essays, and exercises and assignments based on these readings, develop a common critical language and an understanding of drama from a writer's point of view. This knowledge is applied during the second half of the course, during which the class is conducted as a writing workshop. Students submit their original work for class discussion and evaluation.

Component(s):

"Lecture"

Notes:

- Students wishing to register for ENGL 225, ENGL 226, or ENGL 227, should refer to admission requirements for Creative Writing.

ENGL 231 The Global Middle Ages (3 credits)

Description:

This course studies the texts and narrative traditions circulating in and through the trade networks of Europe, Asia, Africa, and the North Atlantic between 400 and 1500 CE. It examines such forms as histories, chronicles, travel narratives, letters, poems and sagas from diverse regions within the contexts of conquest, travel and cross-cultural contact.

Component(s):

"Lecture"

ENGL 233 Methods of Literary Analysis (3 credits)

Description:

This course introduces students to the practice of literary analysis, with particular emphasis on methods for closely and critically reading literary texts. Attention is given to genre, form, rhetorical and figurative language and narrative structure with the aim of providing students with the necessary skills for literary analysis.

Component(s):

"Lecture"

ENGL 234 Poetry (3 credits)

Description:

Through detailed examination of various forms of poetry, this course familiarizes students with the critical vocabulary, techniques, and concepts of poetic analysis. It asks such questions as: what is poetry, how does it work, and how has it changed across the history of its formal and thematic developments?

Component(s):

"Lecture"

ENGL 235 Short Fiction (3 credits)

Description:

Through a detailed examination of the various forms of short fiction and the novella, this course familiarizes students with the building blocks of narrative: story, plot, and narration; treatments of time and space; character; dialogue; focalization; and genre. Topics may include the history of the genre, critical approaches, and types of formal experiment.

Component(s):

"Lecture"

ENGL 237 Tragedy (3 credits)

Description:

This course is an introduction to the nature and varieties of tragic forms and sensibilities in literature. The course may include works from antiquity to the present.

Component(s):

"Lecture"

ENGL 238 Comedy (3 credits)

Description:

This course is an introduction to the nature and varieties of comic forms and sensibilities in literature. The course may include works from antiquity to the present.

Component(s):

"Lecture"

ENGL 240 Drama (3 credits)

Description:

This course is an introduction to dramatic literature, familiarizing students with a selection of major works in this genre. The course may include plays and works written for the stage from antiquity to the present.

Component(s):

"Lecture"

ENGL 241 The Novel (3 credits)

Description:

This course is an introduction to varieties of novelistic form, familiarizing students with the history of the novel and with critical approaches to the study of this literary genre.

Component(s):

"Lecture"

ENGL 2420 Adaptations (3 credits)

Description:

This course is an introduction to theories and instances of adaptation, exploring the manner in which adapting works from one form to another can challenge notions of originality and illuminate the affordances of specific media.

Component(s):

"Lecture"

ENGL 2421 Literature Out Loud (3 credits)

Description:

This course introduces students to the significance of aurality in the making and reception of literary works and the boundaries that define them, with attention to histories, technologies, cultures, genres, and practices of attention that have shaped the relation between sound and literature.

Component(s):

"Lecture"

ENGL 243 Satire (3 credits)

Description:

This course is an introduction to the nature, varieties, and functions of satire. The course may include works from antiquity to the present.

Component(s):

"Lecture"

ENGL 244 Quebec/Montreal Writing in English (3 credits)

Description:

This course surveys the literature of Quebec written in English, with emphasis on Montreal writing. Works studied may include poetry, novels, short stories, films, recordings, podcasts, experimental writing, interviews, essays, spoken word and plays, and address topics related to local publishers and literary communities.

Component(s):

"Lecture"

ENGL 2450 Horror and the Gothic (3 credits)

Description:

This course is an introduction to the intertwining genres of the gothic and horror. It familiarizes students with the formation of these genres, the history of their relationship, and their contemporary development.

Component(s):

"Lecture"

ENGL 246 Science Fiction and Fantasy (3 credits)

Description:

This course is an introduction to the intertwining genres of science fiction and fantasy. It familiarizes students with the formation of these genres, the history of their relationship, and their contemporary development.

Component(s):

"Lecture"

ENGL 249 Children's Literature (3 credits)

Description:

This course is an introduction to the varieties of children's literature. It familiarizes students with the characteristics of this genre, its relationship to folklore, fairy tales, and myths, and the narrative techniques, stylistic transformations, and cultural shifts that have shaped its history.

Component(s):

"Lecture"

ENGL 250 Forms of Popular Writing (3 credits)

Description:

The topic of this course varies from year to year. It investigates such forms as spy novel, detective fiction, mystery, romance, travel writing, horror, and erotica in the context of the conventions, history, and popular appeal of the genre under discussion.

Component(s):

"Lecture"

ENGL 251 The Graphic Novel (3 credits)

Description:

This course is an introduction to the graphic novel, exploring the way in which narrative technique and the production of meaning are shaped by relationships between text and image. The course also familiarizes students with the graphic novel's borrowings from other forms and genres of literature and popular culture.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ENGL 398 number may not take this course for credit.

ENGL 2520 Legends of Arthur (3 credits)

Description:

This course studies the figure of King Arthur from his first mention in medieval chronicles through the vast corpus of artistic production his myth inspired. Works and genres studied may include romances, poems, plays, novels, visual art, film, and digital media.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ENGL 398 number may not take this course for credit.

ENGL 2530 Shakespeare and Film (3 credits)

Description:

This course explores film adaptations of Shakespeare's plays, examining the effects of translating the primarily verbal medium of Shakespeare's theatre into the primarily visual medium of film. Studying adaptations from different periods and in different languages, while considering both filmed stage performances and cinematic works, students enrich their understanding of individual plays and their shifting meaning across discrepant media and historical contexts.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ENGL 317 number may not take this course for credit.

ENGL 2540 Detective Fiction (3 credits)

Description:

This course is an introduction to detective fiction, familiarizing students with variations of the genre in its treatment of both amateur and professional detectives. Topics may include the emergence of the private eye, the hardboiled style, police detection, noir, and crime fiction. Works studied may be drawn from literature, film, and other media.

Component(s):

"Lecture"

ENGL 255 Video Games and/as Literature (3 credits)

Description:

This course is an introduction to the study of the formal, aesthetic and cultural aspects of video games. It places particular emphasis on the relationship of digital games to the history of literary form, introducing students to critical approaches that address the importance of narrative, the materiality of digital text, and the role of interpretive communities.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ENGL 398 number may not take this course for credit.

ENGL 2550 Reading Pop Culture (3 credits)

Description:

This course traverses different media to familiarize students with varieties of pop culture and approaches to studying it. It interrogates what is included in or excluded from the boundaries of literature and how the history of popular culture has

been transformed by the rise of "pop" in the mid-20th century.

Notes:

- Students who have received credit for this topic under an ENGL 298 number may not take this course for credit.

ENGL 260 Introduction to Literary Studies (3 credits)

Description:

This course provides students with a broad introduction to the practice of literary study. Central to the course is an exploration of critical approaches to literature and the major political and aesthetic considerations framing the discipline. Students read and write about a variety of texts while developing the critical tools and perspectives with which to analyze them.

Component(s):

"Lecture"; "Conference"

ENGL 261 Literatures in English before 1660 (3 credits)

Description:

This course surveys literary production in the medieval and early-modern periods, situating texts written in English historical dialects in relation to the major literary languages of the British Isles before the Restoration. Genres and forms such as alliterative poetry, romance, lais, fabliaux, courtly love lyric, sonnets, comedy, tragedy, and epic are examined in relation to historical events like the conversion of the English to Christianity, the Danish and Norman Conquests, the beginning of secular book production, the introduction of print, the English Reformation, and the establishment of the first English colonies.

Component(s):

"Lecture"; "Conference"

ENGL 262 Literatures in English after 1660 (3 credits)

Prerequisite/Corequisite:

It is recommended that students complete ENGL 261 prior to enrolling.

Description:

This course surveys literary production in the English language during and after the Age of Enlightenment, beginning with the Restoration and continuing to the present. Genres and forms such as epic, mock-epic, satire, the novel, the Romantic lyric, and the comedy of manners are examined in relation to historical events like the commercialization of print, the professionalization of authorship, the global expansion of the British Empire, the increased activity of women writers, and the emergence of modernism.

Component(s):

"Lecture"; "Conference"

ENGL 298 Selected Topics in English (3 credits)

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

ENGL 300 Video Games and/as Theory (3 credits)

Description:

Video game studies is a broad discipline that draws on many different philosophical perspectives and methodologies. Focusing on the key topics of history, ideology, political economy and cultural production, this course pairs a range of critical texts from literary history and cultural studies with specific video games in order to consider what games can teach people about theory as well as what theory can teach people about games.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ENGL 398 number may not take this course for credit.

ENGL 3010 Literature and Media (3 credits)

Description:

This course examines how literature represents media technologies and has been transformed by their history. It explores how the development of media theory has altered approaches to literary studies.

Component(s):

"Lecture"

ENGL 302 History of the English Language (3 credits)

Description:

This course surveys the development of the English language from its Indo-European origins through its first written attestations into the present, demonstrating how historical events and language contact have contributed to its changes. Topics may include historical sound changes, the impact on English of Norse and Norman settlers, the development of both official and local varieties of English during and after the period of the British Empire, and the distinctive uses of English in multilingual localities like contemporary Montreal.

Component(s):

"Lecture"

ENGL 3030 Gender and Sexuality in the Middle Ages (3 credits)

Description:

Through such discourses as literature, law, and natural philosophy, this course investigates debates about misogyny and courtly love, virginity and chastity, marriage, reproduction, same-sex desire, and female autonomy. Genres surveyed may include romance, hagiography, letter collections, medical texts, charms, spells, dream visions, and prophecies.

Component(s):

"Lecture"

ENGL 3040 Chaucer: Tragedy and Philosophy (3 credits)

Description:

This course examines select major and minor works by Geoffrey Chaucer.Texts surveyed may include Chaucer's dream visions, short poems, translations, and his major tragedy Troilus and Criseyde. Texts are situated in the intellectual and historical context of their production and considered in terms of their influence on later periods.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 304 may not take this course for credit.

ENGL 3041 Chaucer: The Canterbury Tales (3 credits)

Description:

This course examines *The Canterbury Tales*, one of the most enduring and influential works in the English language. Texts are situated in the intellectual and historical context of their production and considered in terms of their influence on later periods.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 304 may not take this course for credit.

ENGL 305 Studies in Medieval English Literature (3 credits)

Description:

This course examines selected subjects in the history of Old English and Middle English literature. Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 306 Tolkien's Old English (3 credits)

Description:

This course studies works of Old English literature that inspired J.R.R. Tolkien's fantasy novels. Tolkien's scholarship on Old English, his rewritings of Old English texts, and his original compositions in Old English are studied to understand his world-building methods. The course provides an introduction to the basic elements of Old English for students with no knowledge of the language.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ENGL 305 number may not take this course for credit.

ENGL 307 The Viking Age in Poetry and Prose (3 credits)

Description:

This course studies the literature of and about England between 793 and 1066 CE, when Scandinavian kings controlled a trade network extending from Constantinople to Kalaallit Nunaat (Greenland). Works may include Old English poetry, eddic and skaldic verse, chronicles, sagas, runic inscriptions, romances, novels, film, television, and video games.

Component(s):

"Lecture"

ENGL 308 Mysteries, Miracles, and Medieval Drama (3 credits)

Description:

This course studies drama in the period between the fall of the Western Roman Empire and the rise of the commercial theatre in the 16th century, focusing particularly on late-medieval England. It may include mystery plays from York, Chester and elsewhere, as well as morality plays like *Everyman* and *The Castle of Perseverance*.

Component(s):

"Lecture"

ENGL 3090 Women Writers of the Early Modern Period (3 credits)

Description:

This course examines the emergence into print of women writers from the late-16th to the late-17th centuries, by exploring such issues as the construction of literary history, histories of gender and sexuality, and the relations between gender and genre. Students examine a variety of genres, including poetry, drama, prose, and letters, with attention to how women navigated and contributed to the literary culture of their time.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 435 or for this topic under an ENGL 317 number may not take this course for credit.

ENGL 310 English Renaissance Poetry (3 credits)

Description:

This course examines aspects of the development of Renaissance poetry from the late-15th century to the Civil War and Commonwealth periods, through an examination of representative writers in their historical and cultural contexts.It explores how lyric poetry participates in the languages of love, religion, politics, colonialism, philosophy, and science in early modern England.

Component(s):

"Lecture"

ENGL 311 English Renaissance Prose (3 credits)

Description:

This course examines aspects of the development of prose from the 1590s through the Civil War and Commonwealth periods, including such issues as the representation of subjectivity and gender, the function of patronage, the relationship between high and low culture, and the shift to print culture. It explores how such early modern social and cultural preoccupations as public and private religious sensibility, toleration, empire and nation, and environmental issues emerge in such prose forms as the essay, dialogue, newsbook, sermon, popular romance, diary, conduct book, and travel writing.

Component(s):

"Lecture"

ENGL 3150 Major Author, Renaissance (3 credits)

Description:

This course focuses on the work of one author in the Renaissance period. Specific authors covered for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 316 Spenser (3 credits)

Description:

This course focuses on the works of Edmund Spenser, with particular emphasis on *The Faerie Queene*. It explores Spenser's experimentation with genre and considers his works in their historical and cultural contexts.

Component(s):

"Lecture"

ENGL 317 Studies in English Renaissance Literature (3 credits)

Description:

This course examines selected subjects in the history of English Renaissance literature. Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 318 English Renaissance Drama (3 credits)

Description:

This course covers a range of plays written in the period from the start of the English commercial theatre in 1576 until its closing in 1642. It examines the cultural, political and intellectual contexts of individual plays, as well as the social and economic place of the stage.

Component(s):

"Lecture"

ENGL 319 Milton (3 credits)

Description:

This course examines Milton's prose, poetry and dramatic works primarily as they illuminate his epic. It sets *Paradise Lost* in its literary, intellectual and religious contexts.

Component(s):

"Lecture"

ENGL 3200 Shakespeare: Histories and Tragedies (3 credits)

Description:

This course examines a selection of Shakespeare's Histories and Tragedies. It explores individual plays in relation to such matters as dramatic and theatrical conventions, social history, poetic language, high and popular culture, critical history, and influence.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 320 may not take this course for credit.

ENGL 3201 Shakespeare: Comedies and Romances (3 credits)

Description:

This course examines a selection of Shakespeare's Comedies and Romances. It explores individual plays in relation to such matters as dramatic and theatrical conventions, social history, poetic language, high and popular culture, critical history, and influence.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 320 may not take this course for credit.

ENGL 321 Studies in Restoration and Early 18th-Century Literature (3 credits)

Description:

This course studies literature in English from 1660, when the British monarchy was returned to power, to 1730, when the court no longer dominated British literary culture. The course examines the wide range of genres introduced or transformed by the period's restless literary imagination, including the novel, satire, the letter, and the essay. It situates these developments in the context of changing ideas of status, gender, sexuality, science, politics, and economics.

Component(s):

"Lecture"

ENGL 322 Restoration and 18th-Century Drama (3 credits)

Description:

This course examines the changing role of theatre in English culture after the re-opening of the theatres in 1660 to the middle years of the 18th century: from aristocratic heroism and libertine scandals to increasingly middle-class pleasures. It focuses on the transformation of dramatic conventions in such forms as the comedy of manners and sentimental tragedy and familiarizes students with the history of performance in the period, including the introduction of actresses and the codification of new acting styles.

Component(s):

"Lecture"

ENGL 323 The Literature of Sensibility (3 credits)

Description:

This course examines the structure and nature of feeling in British literature of the mid- and late-18th century along with some consideration of concurrent developments in philosophy, historical and critical writing, and biography. It explores the contributions of concepts of sensibility and sympathy to aesthetic innovations such as realism, pornography, the gothic, and the sublime, and political developments such as feminism, abolitionism, and an emergent discourse of human rights.

Component(s):

"Lecture"

ENGL 3250 Major Author, 18th Century (3 credits)

Description:

This course focuses on the work of one author in the 18th century. Specific authors covered for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 326 Studies in 18th-Century British Literature (3 credits)

Description:

This course examines selected subjects in the history of 18th-century literature in English. Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 327 Restoration and 18th-Century Satire (3 credits)

Description:

This course examines the development of satirical poetry, prose, and drama in the Restoration and 18th century. It explores formal issues such as satire's debts and contributions to pastoral, georgic, epic, comedy and the novel alongside such social, political, and intellectual concerns as the battle of the ancients and the moderns, libel, sedition, and copyright law, the rise of party politics, and changing gender roles.

Component(s):

"Lecture"

ENGL 328 The Rise of the Novel (3 credits)

Description:

This course examines the emergence and evolution of the novel and novel criticism from their beginnings in the 1680s until the end of the 18th century. It explores the reciprocal pressures of romance and realism in the formation of the novel in order to consider the ethical and aesthetic issues raised by this popular genre as well as the influences of other genres such as journalism, letters, diaries, and travel writing.

Component(s):

"Lecture"

ENGL 3290 Romanticism (3 credits)

Description:

This course examines the prose and poetry of the Romantic period (ca. 1790 to 1830s) in relation to such topics as the French Revolution and Napoleonic wars, colonialism, empire, and migration, the industrial revolution, urbanization, changing concepts of nature, and the figure of the Romantic writer.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 329 may not take this course for credit.

ENGL 331 Women Writers of the 18th Century (3 credits)

Description:

This course examines the poetry, prose, and drama of 18th-century women writers in such contexts as the gendering of authorship, the making of literary history, and the uses and transformations of literary conventions.

Component(s):

"Lecture"

ENGL 332 Studies in 19th-Century Literature (3 credits)

Description:

This course examines selected subjects in the history of 19th-century literature in English. Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 333 19th-Century Poetry (3 credits)

Description:

This course explores 19th-century poetry from the Victorian period to the Fin de siècle. Forms studied may include narrative verse, dramatic monologue, sonnet sequence, romance, ballad and elegy.

Component(s):

"Lecture"

ENGL 334 19th-Century Fiction (3 credits)

Description:

This course explores the Victorian novel, the dominant genre of the century, as well as examples of other prominent prose genres, including memoir, biography, history, natural history and speculative fiction.

Component(s):

"Lecture"

ENGL 3341 Women Writers of the 19th Century (3 credits)

Description:

This course examines the poetry, prose, and drama of 19th-century women writers. It sets select works in such contexts as the gendering of authorship, the making of literary history, and the uses and transformations of literary conventions.

Component(s):

"Lecture"

ENGL 3350 The Bible and Contemporary Literature (3 credits)

(also listed as RELI 3350)

Description:

This course introduces students to important literary works of the past century that update, revise, or provocatively interrogate established religious texts and narratives. It engages with the history and literary character of the Hebrew Bible and its influence on literary tradition, focusing on the way its narratives supply archetypal stories, characters, and motifs.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 3350, or for this topic under an ENGL 398 or RELI 398 number, may not take this course for credit.

ENGL 3351 Colonialism and Empire in the Victorian period (3 credits)

Description:

This course studies the colonial and imperialist politics of the expansion over vast territories during the reign of Queen Victoria as crucial to the historical context and thematic content of literature in English written during this period. In addition to 19th-century novels, poems, essays, political writings, and literary criticism, the course may also include theoretical texts on colonialism and empire by 20th- and 21st-century thinkers.

Component(s):

"Lecture"

ENGL 3361 Major Author, 19th Century (3 credits)

Description:

This course focuses on the work of one author in the 19th century. Specific authors covered for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 338 Studies in 20th-Century British Literature (3 credits)

Description:

This course examines selected subjects in 20th-century British literature. Topics may include the modernist coteries of Imagism, Vorticism, and Bloomsbury; the two World Wars; the decline of the empire and the arrival of immigrants from formerly colonized nations; the rise of British cultural studies and the British Black arts movement; postmodernism, punk, and camp. Readings of diverse works from a range of genres trace the literary history of this period of profound change.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 337 may not take this course for credit.

ENGL 3390 Black British Literature and Culture (3 credits)

Description:

This class examines literature by British writers of African and Caribbean descent. Topics may include national belonging and canonicity; the interrelationship of Britishness and Blackness; notions of post-imperial, multi-ethnic space, place, and temporality; the Black Atlantic, or cross-fertilizations between British culture and North American, Caribbean, and African cultures; and art as activism. The course explores fiction and non-fiction alongside such elements of popular Black culture as music and film.

Component(s):

"Lecture"

ENGL 3400 Modernism (3 credits)

Description:

This course explores how, in the first half of the 20th century, modernist experiments with formal possibilities pressed the limits of art's social function and expressive powers while enabling new modes of collectivity and political engagement. Considering this cultural ferment in the context of cataclysmic wars and revolutions, students engage with the fundamental transformations of art and literature that energized several generations of international modernists.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 340 may not take this course for credit.

ENGL 341 Modern Fiction (3 credits)

Description:

This course explores developments in international literary culture from the late-19th century to the post-war period, a time of rapid and tumultuous change. Studying novels and short stories, with attention to formal experiments with stream of consciousness narration, unreliable narrators, and non-linear storytelling, students consider how modern fiction responds to new communication technologies, including radio and cinema, two world wars, the waning of empire, women's suffrage, and intellectual provocations in philosophy, psychology, and science.

Component(s):

"Lecture"

ENGL 3420 Studies in Creative Writing: Prose Fiction (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 226. Enrolment in the Creative Writing program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This workshop extends the development of students' narrative skills and their understanding of fictional forms. Specific topics for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- This course may be taken more than one time for credit, provided the subject matter is different.

ENGL 343 Modern European Literature (3 credits)

Description:

This course focuses on literature in translation by continental European authors of the late-19th and 20th century, as modern societies were transformed by new media, communication, and transportation technologies (photography, cinema, telegraph, phonograph, automobile), increasing urbanization, imperialist rivalries, world wars, political revolutions, colonialism and decolonization. Literary techniques likewise underwent major transformations, including the emergence of stream of consciousness narration, free verse, formal fragmentation, and new methods of defamiliarization. Genres covered may include fiction, poetry, and drama.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 346 may not take this course for credit.

ENGL 345 Modern Drama (3 credits)

Description:

This course introduces students to modern drama, focusing on plays from the late-19th and 20th century that challenge theatrical conventions and social norms. It considers works that are realistic in subject matter, dialogue, setting and character, as well as others that are self-consciously abstract and experimental.

Component(s):

"Lecture"

ENGL 347 Creative Non-Fiction Writing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 225 or ENGL 226 or ENGL 227. Enrolment in a Creative Writing program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a workshop in the writing of creative non-fiction (journal, personal essay, travel, biography and autobiography) including the reading of selected texts and discussion and criticism of students' work.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 410 or for this topic under an ENGL 429 number may not take this course for credit.

ENGL 3480 Studies in Creative Writing: Poetry (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 225. Enrolment in the Creative Writing program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This workshop helps students extend their grasp of poetics and their competence in the writing of poetry. Specific topics for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- This course may be taken more than one time for credit, provided the subject matter is different.

ENGL 349 Modern Poetry (3 credits)

Description:

This course surveys major trends in poetry of the late-19th and 20th century, a period in which poetic form undergoes important transformations. It considers modernist experimentation with free verse, fragmentary language, collage composition, and other innovative practices alongside traditional verse forms applied to modern experience in the context of the First World War, urbanization, new technologies, and rapidly changing social relations.

Component(s):

"Lecture"

ENGL 3491 Major Author, 20th Century (3 credits)

Description:

This course focuses on the work of one author in the 20th century. Specific authors covered for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 351 Women Writers of the 20th Century (3 credits)

Description:

Through fiction, personal writing, essays, poetry, and drama written by women, this course examines gender and its discontents over a period of significant cultural and social change. Emphasis is placed on how these writers engaged with, and responded to, the three waves of 20th-century feminism, addressing issues such as gender, identity, race, sexuality, power, work, family, and politics.

Component(s):

"Lecture"

ENGL 352 Contemporary Women Writers (3 credits)

Description:

This course deals with fiction, personal writings, poetry, and drama written by women from the late 20th century to the present. Its concerns may include the challenges and possibilities of new literary forms; experiments in writing the life, writing the body, writing race, writing between genres and between cultures; collaborative writing; and the uses and transformations of traditional and popular forms of writing.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 354 may not take this course for credit.

ENGL 3521 Queer and Trans Writers (3 credits)

Description:

This course focuses on queer and trans writers in literature and theory. It addresses transformations of gender/sexuality studies since the late-20th century alongside works of fiction, poetry, and drama which may be chosen from any period of literary history.

Component(s):

"Lecture"

ENGL 353 Contemporary Irish Literature (3 credits)

Description:

This course examines Irish literary texts which reflect the social, economic, political and cultural transformations on the island of Ireland since the 1960s, including insurrectionary civil strife, confrontations with systemic and institutional abuse, the liberalizing constitution, changing economic and social policies, and environmental crises.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ENGL 359 or IRST 398 number may not take this course for credit.

ENGL 354 Studies in 21st-Century Literature (3 credits)

Description:

This course examines selected subjects in the history of 21st-century literature in English. Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 350 may not take this course for credit.

ENGL 355 Joyce (3 credits)

Description:

This course focuses on James Joyce's epochal novel *Ulysses* in its formal, historical, and cultural contexts. Other writings of Joyce may also be covered.

Component(s):

"Lecture"

ENGL 356 The Irish Short Story Tradition (3 credits)

Description:

This course traces the development of the Irish short story from its roots in the Gaelic story-telling tradition to its development into a literary form in the 19th century and its blossoming in the 20th century. Students discuss the narrative strategies used to explore various versions of Irish identity.

Component(s):

"Lecture"

Notes:

- Students have received credit for this topic under an ENGL 359 or IRST 398 number may not take this course for credit.

ENGL 357 The Irish Literary Revival (3 credits)

Description:

This course traces the origins and nature of the Irish literary renaissance that began in the 1880s. It examines such issues as the rise of cultural nationalism and concomitant turn to Ireland's past, both mythic and historic, as well as the continuing influence of the Catholic Church and the British State.

Component(s):

"Lecture"

ENGL 359 Studies in Irish Literature (3 credits)

Description:

This course examines selected subjects in the history of Irish literature. Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 3600 Studies in American Literature (3 credits)

Description:

This course examines selected subjects in American literature. Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 360 may not take this course for credit.

ENGL 362 Pre-Civil War American Literature (3 credits)

Description:

This course examines early American literature, from early contact with Indigenous communities to slavery and the Civil War, with attention to the uneven development of what would later be understood as a national literature. Themes and genres may include captivity and slave narratives; individualism and self-reliance; Puritanism and its aftermath; transcendentalism and its advocates; and the Civil War and its divisions.

Component(s):

"Lecture"

ENGL 363 Post-Civil War American Literature (3 credits)

Description:

This course examines American literature from the end of the civil war to the early decades of the 20th century, with attention to the rise of urban culture, post-Reconstruction racial politics, and the emergence of modernism. Themes may include the efflorescence of Black authorship; the construction of new literary forms and movements, such as realism and naturalism; and the effects of migration and dislocation.

Component(s):

"Lecture"

ENGL 364 20th-Century American Literature (3 credits)

Description:

This course examines American literature of the 20th century, either through a survey of the period or a focus on particular sub-periods or themes. Historical and thematic emphases may include literary modernism and the Harlem renaissance; transformations of American culture by the two World Wars; literature of the Cold War and the counterculture; the postwar welfare state and the rise of neoliberalism; postmodern or late-modernist formal experiments; and complex intersections of race, class, gender, and sexuality under changing historical circumstances.

Component(s):

"Lecture"

ENGL 3651 Race and Ethnicity in American Literature (3 credits)

Description:

This course explores ethnicity and race in American literature by examining the works of writers from historically marginalized communities, highlighting their challenge to and/or consolidation of notions of a perceived national identity.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 381 may not take this course for credit.

ENGL 366 The American Novel (3 credits)

Description:

This course examines the tradition of the American novel from its origins to its postmodern redefinition, through such exemplary genres and modes as gothic, adventure, romance, sentimental fiction, science fiction, naturalism, and realism.

Component(s):

"Lecture"

ENGL 367 American Poetry (3 credits)

Description:

This course examines the tradition of American poetry from the colonial period to contemporary developments. It explores such exemplary forms and themes as the lyric, narrative verse, free verse, Civil War poetry, Modernist collage and the formal experimentation of the postwar New American Poetry.

Component(s):

"Lecture"

ENGL 369 African-American Literature (3 credits)

Description:

This course concentrates on African-American literature, with potential areas of focus including early forms such as slave narratives and spirituals; transformations of Black writing and culture through the Reconstruction and segregation eras; the relation of literary forms to jazz and blues; transformations of literary possibilities through the Harlem Renaissance, the Civil Rights Movement, and the Black Arts movement; and generic styles such as Black comedy, Afrofuturism, and African-American gothic.

Component(s):

"Lecture"

ENGL 3700 Studies in Canadian Literature (3 credits)

Description:

This course examines selected subjects in Canadian literature. Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 370 may not take this course for credit.

ENGL 373 19th-Century Canadian Literature (3 credits)

Description:

This course traces the development of Canadian literature from colonial origins to the Confederation era. Historical, thematic, and formal topics may include literary responses to the War of 1812; Black migration via the underground railroad; Indigenous histories and cultures; Confederation; regional literatures; feminist literature; post-Romantic nature writing; and literary treatments of debates concerning religion, technological change, and the relation between science and morality.

Component(s):

"Lecture"

ENGL 374 20th-Century Canadian Literature (3 credits)

Description:

This course examines the development of Canadian literature as it emerges from the tension between literary modernism and local or regional styles through periods of cultural nationalism and multicultural diversity. Historical, thematic, and formal topics may include transformations of Canadian culture by the two World Wars; the concrete images and free verse forms of modernist poetry; social, religious, and cultural tensions between French and English communities in Quebec; the recovery of Indigenous histories and assertion of Indigenous literary and storytelling traditions by First Nations, Métis, and Inuit writers; self-reflexive, feminist, and poetic experiments of the 1960s and 1970s; and the rewriting of colonial and diasporic histories.

Component(s):

"Lecture"

ENGL 3771 Race and Ethnicity in Canadian Literature (3 credits)

Description:

This course reflects on how race and ethnicity have shaped the practice and critical approaches to Canadian literature and its exclusions. The course may explore literatures that consider race and racism in Canada and Quebec, diasporic and migratory histories, critical perspectives on whiteness, and perspectives from Black Canadian literatures. It may centre on specific themes, forms, events, or communities in relation to the broader course theme or offer a general survey of literatures engaging with race and ethnicity in Canada.

Component(s):

"Lecture"

ENGL 378 Canadian Poetry (3 credits)

Description:

This course examines developments in Canadian poetry from colonial beginnings to contemporary experimentation. Attention is given to oral forms of poetry as well as to formal experiments in such genres as the lyric and long poem.

Component(s):

"Lecture"

ENGL 3790 Canadian Fiction (3 credits)

Description:

This course traces the development of Canadian fiction from regionalism and naturalism to modernist experimentation, postmodern multiculturalism and Indigenous innovation. Including short stories, novels, and occasionally adaptations, it situates selected works of Canadian fiction within critical contexts and current discourses of the discipline.

Component(s):

"Lecture"

ENGL 380 Indigenous Literatures (3 credits)

Description:

This course focuses on literature by Indigenous authors and critical approaches to it. It introduces the study of Indigenous literatures of Turtle Island with attention to history, scope and diversity. It may also feature Indigenous literatures from different areas of the globe, a survey of literatures by specific Indigenous nations and communities, or an examination of a particular theme within Indigenous literatures. The course considers Indigenous storytelling alongside ancestral traditions, resurgent practices, and resistance movements.

Component(s):

"Lecture"

ENGL 3811 Critical Perspectives on Settler Colonialism (3 credits)

Description:

This course introduces students to critical approaches to settler colonialism informed by postcolonial, anticolonial, and decolonial thought, global Indigenous resistance movements, critical race theory, and Black studies. Focusing upon a particular geographical context or surveying different contexts, the course addresses such issues as the difference between settler and other forms of colonialism, the intercontinental scope of settler colonialism (as well as its legacies and failures), and the status of land in Indigenous and settler epistemologies.

Component(s):

"Lecture"

ENGL 382 Literature of Migration and Diaspora (3 credits)

Description:

This course explores literatures of, and critical approaches to, peoples who have migrated or been displaced from their homelands, including diasporic and refugee literatures. The course may focus on a specific diasporic community or offer a survey of various literatures of migration.

Component(s):

"Lecture"

ENGL 383 African Literatures (3 credits)

Description:

This course explores literatures by African writers and may include other media and cultural forms, focusing on the political and aesthetic concerns emerging from these texts. It may feature investigations of how these texts are informed by colonialism and postcolonialism, the limits of these terms in studying contemporary African cultural texts, how resource extraction has shaped contemporary African art and social movements, environmental concerns, histories of violence, perspectives on the limits of English in reading African literature, gender and sexuality, and discussions of race and blackness. The course may offer a survey of cultural texts from across the continent or of a particular region, period, or theme in African literary studies.

Component(s):

"Lecture"

ENGL 3840 Studies in Creative Writing: Playwriting (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 227. Enrolment in the Creative Writing program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This workshop helps students continue to refine their skills in the process of completing a fully formed one-act play. Specific topics for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- This course may be taken more than one time for credit, provided the subject matter is different

ENGL 385 Studies in Postcolonial Literature and Theory (3 credits)

Description:

This course explores topics and themes in postcolonial literature and theory, aiming to offer students a broad understanding of the enduring significance of postcolonial studies to various literatures across the globe. Topics may include approaches to extractive and settler colonialism, the significance of national liberation, how literature written after liberation grapples with ongoing colonial legacies, how race functions in relation to colonialism, critiques of how colonialism continues to shape global literatures, and critiques of the term “postcolonial” and “decolonial” for studying contemporary global literatures.

Component(s):

"Lecture"

ENGL 386 Caribbean Literature (3 credits)

Description:

This course explores Caribbean literature in English by authors from nations such as Barbados, Trinidad, Antigua, Jamaica, Grenada, St. Lucia, and Guyana, as well as diasporic literatures of the region. The course may explore the history of slavery, indenture, resistance, race and racism, plantation culture, migration, colonialism, and postcolonialism in the region, with a focus on the political and aesthetic issues raised by its literatures.

Component(s):

"Lecture"

ENGL 387 South Asian Literature (3 credits)

Description:

This course studies literature and critical approaches from South Asia written in English by authors from India, Pakistan, Bangladesh, and Sri Lanka. It may include discussions of the political and economic forces shaping South Asian literary and cultural study, colonialism and postcolonialism, partition, environmental concerns, South Asian diaspora literatures, and the relationship between South Asian and other locations' postcolonial movements.

Component(s):

"Lecture"

ENGL 388 Literature from Australia and New Zealand (3 credits)

Description:

This course explores literary and cultural texts of Australia and New Zealand and may also address the Pacific Islands. The exploration of themes related to settler colonialism may include the region’s literary history; literary and cultural depictions of the region’s ecologies; the effects of state racism; reflections on migration and diaspora; and texts and stories by Aboriginal, Torres Strait Islander, and Māori peoples.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 388N may not take this course for credit.

ENGL 389 History of Literary Theory (3 credits)

Description:

This course surveys and contrasts major thinkers in the tradition of literary theory from antiquity to the present. Issues covered may include theories of genre, character, literary representation, aesthetic experience, critical methodology, narrative/poetic forms, and the relationship between literature and history.

Component(s):

"Lecture"

ENGL 390 Studies in Rhetoric (3 credits)

Description:

This course offers an inquiry into the nature and function of rhetoric, the art of convincing others through persuasive speech and writing, through an examination of classical writers and contemporary critical discourse. Attention is paid to rhetorical tropes and figurative language, to styles of argumentation and discursive ornament, and to the relationship between rhetoric, grammar, description, and logic. The course considers how rhetoric traverses literature, philosophy, political discourse, and other forms of speech and writing.

Component(s):

"Lecture"

ENGL 391 Studies in Health Humanities and Literature (3 credits)

Description:

This interdisciplinary course explores the intersection of literature and the emerging field of health humanities. This course examines how literary works engage with topics such as health, illness, disability, and medical ethics, while considering the role of narrative and metaphor in shaping one's understanding of the human experience of wellness and disease.

Component(s):

"Lecture"

ENGL 392 Introduction to Critical Theory (3 credits)

Description:

This course introduces students to thinkers and approaches in modern and contemporary critical theory. Areas of focus may include the emergence of new forms of critique, dialectical thinking, and genealogical investigation in the late-18th and 19th century; transformations of linguistic theory in the 20th century; the rise of French structuralism and poststructuralist theory; theories of colonialism, orientalism, decolonization, and postcoloniality; critical race theory; gender/sexuality studies; media theory and science/technology studies.

Component(s):

"Lecture"

ENGL 393 Gender and Sexuality in Literary Studies (3 credits)

Description:

This course focuses on developments in gender/sexuality studies and their relationship to literature and literary theory. It explores how waves of feminist theory and practice, gay and lesbian struggles, the emergence of queer theory and trans theory, and changing approaches to the intersections of gender, race and class have played a major role in critical theory, literary studies and political practice.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 445 may not take this course for credit.

ENGL 394 Critical Race Theory (3 credits)

Description:

This course is an introduction to critical race theory and its contributions to the understanding of structural racism. The course may explore various approaches to, and definitions of, race and how it continues to be central to the institutional and social functioning of everyday life. Given the vast global array of critical race theory's ideas and influence, the course may take the form of a survey of approaches from the field or an investigation of a specific theme. Attention may be given to the limits of critical race theory's approaches voiced by perspectives in Black and Decolonial Studies.

Component(s):

"Lecture"

ENGL 3945 Black Studies and Literature (3 credits)

Description:

This course is an introduction to the interdisciplinary field of Black Studies, focusing on concepts and experiences of Blackness. Studying the historical construction of figures of Blackness through the violence of slavery, colonialism, and anti-Black racism, the course focuses as well on how such violent histories have been challenged by revolution, decolonization, by affirmations of Black life and collective struggle, and by works of art and literature that intervene in the meaning of Blackness and its centrality to modernity.

Component(s):

"Lecture"

ENGL 3946 Environmental Humanities (3 credits)

Description:

This course explores the interdisciplinary field of Environmental Humanities, focusing on what literature, art, culture, and humanities disciplines offer to the study of climate change, environment, and ecology. It may explore the relationship between humanities-based and technoscientific approaches to environmental damage, critical approaches to animal, botanical, and geological forms, and how contributions from various disciplines in the Humanities reflect on planetary ecologies and crises. The course may offer a broad survey of themes within this field or focus on a specific aspect of environmental concern.

Component(s):

"Lecture"

ENGL 395 Technical Writing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 213. Enrolment in the Minor in Professional Writing is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines written and visual strategies for communicating information in technical fields. Practice includes experience in audience analysis and visual design in the preparation of such documents as technical abstracts, reports, proposals, descriptions, and instructional manuals.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course may not subsequently take ENGL 206, ENGL 207, or ENGL 212 for credit.

ENGL 396 Content Creation and Management in Professional Writing (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 213. Enrolment in the Minor in Professional Writing is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is intended for students who have mastered the essentials of composition and who wish to develop their ability to write effectively for professional purposes. Emphasis is placed on creating content for different media platforms, working in teams, and managing writing projects.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course may not subsequently take ENGL 206, ENGL 207, or ENGL 212 for credit.

ENGL 397 Writing for Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 213. Enrolment in the Minor in Professional Writing is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines strategies for communicating information in business contexts. Practice includes audience analysis and visual design in the creation of such business documents as letters, memos, minutes, brochures, press releases, and company newsletters.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course may not subsequently take ENGL 206, ENGL 207, or ENGL 212 for credit.

ENGL 398 Selected Topics in English (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

ENGL 3999 Selected Topics in Critical Theory (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 414 Literary Publishing and Editing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 225 or ENGL 226 or ENGL 227. Enrolment in a Creative Writing program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the process of founding and operating small presses or magazines, and follows the creation of a book from manuscript to the marketplace. It includes accessing primary research materials; understanding how the writer and editor collaborate to arrive at the best possible literary text for publication; agents, copyright contracts and other essential issues for writers; understanding the parts of a book; the design and production values that make a good book; and the transition from print to digital.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 413 may not take this course for credit.

ENGL 415 Literary Production: Curating and Archiving the Literary Event (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 225 or ENGL 226 or ENGL 227. Enrolment in a Creative Writing program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces contemporary modes of distributing literary production. Students conceive, implement, and manage all aspects of a reading series, including the development of a mandate, solicitation and review of materials, event organization, and the introduction of work online, verbally, and in print. Students also aid in the development and maintenance of a related blog and an archive of current and previous reading series.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ENGL 429 number may not take this course for credit.

ENGL 4170 Writing for Media (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 226 or ENGL 227 and at least one 300-level creative writing class. Enrolment in a Creative Writing program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a workshop designed to develop writing for the digital space. Subjects may include writing for digital publications; development of scripts for film, TV or radio; writing for video games; and writing for podcasts. Specific topics for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 4180 Digital Editing and Publishing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGL 215, ENGL 225, ENGL 226, or ENGL 227. Enrolment in the Minor in Professional Writing or a Creative Writing program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This project-based course focuses on writing, editing, and managing content for a web-based magazine. Through hands-on experience, students learn the workflow of a digital publication environment. Building on professional writing skills including grammar, editing, and writing for diverse contexts, they produce and refine polished articles for an online publication.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course may not subsequently take ENGL 206, ENGL 207, ENGL 210, or ENGL 212 for credit.

ENGL 428 Advanced Studies in Creative Writing (6 credits)

Prerequisite/Corequisite:

Enrolment in a Creative Writing program is required. If prerequisites are not satisfied, permission of the Department is required. See current Undergraduate Class Schedule for specific workshop prerequisites.

Description:

This course is an advanced workshop intended for students who have completed at least six credits of workshops at the 300 or 400 level in an appropriate field. The subject and prerequisites for each year are found in the current Undergraduate Class Schedule. Submission of a brief portfolio may be required for admission.

Component(s):

"Lecture"

ENGL 429 Advanced Studies in Creative Writing (3 credits)

Prerequisite/Corequisite:

Enrolment in a Creative Writing program is required. If prerequisites are not satisfied, permission of the Department is required. See current Undergraduate Class Schedule for specific workshop prerequisites.

Description:

This course is an advanced workshop intended for students who have completed at least six credits of workshops at the 300 or 400 level in an appropriate field. The subject and prerequisites for each year are found in the current Undergraduate Class Schedule. Submission of a brief portfolio may be required for admission.

Component(s):

"Lecture"

ENGL 430 Old English: Intensive Course (6 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides a comprehensive introduction to the Old English language, covering the fundamental aspects of grammar and studying major works of Old English poetry and prose.

Component(s):

"Lecture"

ENGL 4320 Middle English (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course studies the dialects of English appearing in texts dated between 1200 and 1500 CE. Linguistic studies of this key period in the history of the English language may also inform studies of historical topics, themes, and/or literary genres of the time.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 432 may not take this course for credit.

ENGL 434 Advanced Topics in Medieval Literature (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 437 Advanced Topics in Renaissance Literature (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 441 Advanced Topics in 18th-Century Literature (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 443 Advanced Topics in 19th-Century Literature (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 444 Advanced Topics in Gender and Sexuality Studies (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 445 may not take this course for credit.

ENGL 446 Advanced Topics in 20th-Century Literature (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 447 Advanced Topics in Critical Theory (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 4480 Advanced Topics in Environmental Humanities (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 4481 Advanced Topics in Literature and Media (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 4482 Advanced Topics in Critical Race Theory (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 4490 Advanced Topics in International Modernism (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 450 Advanced Topics in American Literature (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 453 Advanced Topics in Canadian Literature (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 454 Advanced Topics in Postcolonial Studies (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 4560 Advanced Topics in Decolonizing Theories and Literatures (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 4561 Advanced Topics in Indigenous Studies (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 470 Honours Seminar (3 credits)

Prerequisite/Corequisite:

Students must complete 30 credits in English. Enrolment in the Honours English Literature is required.

Description:

The topic of this course varies from year to year. The course provides the opportunity for final-year honours students to apply their experience of literature, literary theory, and criticism on a more advanced level.

Component(s):

"Lecture"

Notes:

- In consultation with the honours/majors advisor, honours students may substitute another course at the 400 level for ENGL 470.

ENGL 474 Honours Essay (3 credits)

Prerequisite/Corequisite:

Students must complete 30 credits in English prior to enrolling. Enrolment in the Honours English Literature is required. Permission of the Department is required.

Description:

With the permission of the Department, an honours student may arrange a tutorial program with a faculty member, culminating in the writing of a long paper.

Component(s):

"Lecture"

ENGL 480 Independent Studies (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling Enrolment in an English program is required. Permission of the Department is required.

Description:

With the permission of the Department, a student may arrange a tutorial program with a faculty member.

Component(s):

"Lecture"

ENGL 490 Joint Seminar in History and English (6 credits)

(also listed as HIST 4900)

Prerequisite/Corequisite:

Students must complete 30 university credits prior to enrolling. Enrolment in the honours or specialization is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This upper-level seminar explores literary and historical approaches to a selected topic, which varies from year to year. The course offers a unique opportunity for students to explore how the different disciplines of English and History think about knowledge production under the collaborative guidance of scholars in these two fields.

Component(s):

"Seminar"

Notes:

- Students who have received credit for HIST 4900 or for this topic under a HIST 498 number may not take this course for credit.

ENGL 498 Advanced Topics in English (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

ENGL 4990 Advanced Topics, Major Author (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

ENGL 4991 Major Texts in Modern Thought (3 credits)

Prerequisite/Corequisite:

Students must complete nine credits at the 300 level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics and prerequisites for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Section 31.110 Département d'études françaises

Département d'études françaises

Programmes d'études françaises

- Notes
- Programmes de langue, littératures, et linguistique française
  - **Langue française**
    - BA Spécialisation en langue française
    - BA Majeure en langue française
    - BA Majeure en langue française (profil langue seconde/étrangère)
    - Mineure en langue française
    - Certificat en langue française
  - **Linguistique française**
    - Mineure en linguistique française
  - **Littératures de langue française**
    - BA Spécialisation en littératures de langue française
    - BA Majeure en littératures de langue française
    - BA Majeure en littératures de langue française (profil langue seconde/étrangère)
    - Mineure en littératures de langue française
  - Groupes de cours de langue et linguistique française
- Programmes de traduction
  - BA Spécialisation en traduction
  - BA Majeure en traduction
  - Programme d'enseignement coopératif en traduction

Cours d'études françaises

Département d'études françaises

Note

For the complete list of faculty members, please consult the Department website:

concordia.ca/fr/arts-sciences/francais.html

Objectifs du département

L'appellation Études françaises reflète le concept pluridisciplinaire sur lequel se fondent les deux volets de notre mission universitaire : l'enseignement et la recherche. La recherche pure et appliquée se pratique dans les domaines les plus variés de la discipline en étroite liaison avec l'enseignement. De plus, nous participons à la vie intellectuelle et professionnelle de la collectivité, à l'échelle nationale et internationale.

Le Département d'études françaises a une double vocation. Il offre d'une part de solides programmes de langue, littérature et traduction aux étudiantes et étudiants qui viennent y chercher une formation spécialisée. Il joue d'autre part un rôle capital au sein de l'Université en offrant un vaste éventail de cours de langue, linguistique, littérature et civilisation aux étudiantes et étudiants qui souhaitent compléter la formation qu'elles ou ils reçoivent dans d'autres départements.

Notes

French as a Second Language

All students not admitted into a program in the Département d'études françaises are required to consult the Études françaises website for the placement test (which is also available at the Department) in order to determine the level of elective French courses for which they can obtain credit. If in doubt, contact the department for assistance.

FRAN 211 and FRAI 201 are restricted to students with no previous training in French. FRAN 212 and FRAI 202 are designed to follow FRAN 211 and FRAI 201, or may be taken if students have little previous training in French. FRAN 211 and FRAN 212 or FRAI 201 and FRAI 202 are not intended for students who have attended high school in Quebec.

Some students with previous French language background are restricted to certain levels of French language courses at Concordia. These restrictions are indicated as "exemptions" on the student record. Apart from any exemptions which may have been granted to undergraduate students, the following restrictions apply to ALL students:

1. Students who have completed any 602-900-level Cegep courses or who have graduated from Francophone secondary institutions may obtain a maximum of six credits in the range of FRAN 301-321 at Concordia. No credit is awarded for language courses numbered FRAN 211-221 or FRAI courses.
2. Students who have completed any 601-series Cegep courses or who have attended a Francophone Cegep may ONLY obtain credits for Concordia French Language courses at the 400 level (FRAA 400-498). No credit is awarded for language courses numbered 211-221 or 301-321.

The Department reserves the right to transfer a student to a higher or lower-level language course if it is deemed that the course for which the student has registered is not appropriate for the extent of his or her knowledge of the language.

Remarques d'ordre général

1) Les principaux critères de classement sont la langue d'enseignement des études secondaires, les notes obtenues et les résultats du test de classement.

2) Les étudiantes et les étudiants doivent remettre leurs travaux en français dans les cours de littérature du département.

BA Spécialisation en langue française

Exigences du programme

Spécialisation en langue française (60 credits)

45 crédits à choisir parmi :

- FRAN 304 Langue française : niveau d'approfondissement III (3.00)
- FRAN 305 Communication orale (3.00)
- FRAN 306 Communication écrite (3.00)
- FRAN 315 Correction phonétique (niveau avancé) (3.00)
- FRAN 318 Le français des affaires (3.00)
- FRAN 320 Le vocabulaire français (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)

FRAA de niveau 400 de langue ou de rédaction

FRAA de niveau 400 de linguistique française

Langue française : niveaux d'approfondissement

12 crédits:

- FLIT 300 Littérature et culture françaises du Moyen Âge au XVIIe siècle (3.00)
- FLIT 302 Littérature et culture françaises du XVIIIe siècle à aujourd'hui (3.00)
- FLIT 305 Littérature et culture québécoises (3.00)
- FLIT 308 Littératures et cultures de la Francophonie (3.00)

3 crédits à choisir parmi les cours FLIT de niveau 300

Notes

Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

BA Majeure en langue française

Exigences du programme

Majeure en langue française (45 credits)

36 crédits à choisir parmi les cours:

- FRAN 306 Communication écrite (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)

FRAA de niveau 400 de langue ou de rédaction

FRAA de niveau 400 de linguistique française

9 crédits à choisir parmi les cours:

- FLIT 300 Littérature et culture françaises du Moyen Âge au XVIIe siècle (3.00)
- FLIT 302 Littérature et culture françaises du XVIIIe siècle à aujourd'hui (3.00)
- FLIT 305 Littérature et culture québécoises (3.00)
- FLIT 308 Littératures et cultures de la Francophonie (3.00)

Notes

Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

BA Majeure en langue française (profil langue seconde/étrangère)

Exigences du programme

Majeure en langue française (profil langue seconde/étrangère) (45 credits)

21 crédits à choisir parmi les cours :

- FRAN 218 Initiation au français oral (3.00)
- FRAN 219 Initiation au français écrit (3.00)
- FRAN 221 Correction phonétique (3.00)
- FRAN 222 Initiation à la lecture de textes littéraires (3.00)
- FRAN 304 Langue française : niveau d'approfondissement III (3.00)
- FRAN 305 Communication orale (3.00)
- FRAN 306 Communication écrite (3.00)
- FRAN 315 Correction phonétique (niveau avancé) (3.00)
- FRAN 320 Le vocabulaire français (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)
- FRAA 410 Grammaire du français en contextes (3.00)
- FRAA 412 Grammaire de texte (3.00)
- FRAA 413 Rédaction (3.00)

Langue française : niveaux intermédiaires

Langue française : niveaux d'approfondissement I & II

6 crédits à choisir parmi les cours FLIT de niveau 200

18 crédits à choisir parmi les cours :

- FRAN 318 Le français des affaires (3.00)
- FRAN 320 Le vocabulaire français (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)

FRAA de niveau 400 de langue ou de rédaction

FRAA de niveau 400 de linguistique française

Notes

- Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

Mineure en langue française

Exigences du programme

Mineure en langue française (24 credits)

18 crédits à choisir parmi les cours suivants :

- FRAN 213 Langue française : niveaux intermédiaires I et II (6.00)
- FRAN 214 Langue française : niveau intermédiaire I (3.00)
- FRAN 215 Langue française : niveau intermédiaire II (3.00)
- FRAN 218 Initiation au français oral (3.00)
- FRAN 219 Initiation au français écrit (3.00)
- FRAN 221 Correction phonétique (3.00)
- FRAN 222 Initiation à la lecture de textes littéraires (3.00)
- FRAN 301 Langue française : niveaux d'approfondissement I et II (6.00)
- FRAN 302 Langue française : niveau d'approfondissement I (3.00)
- FRAN 303 Langue française : niveau d'approfondissement II (3.00)
- FRAN 304 Langue française : niveau d'approfondissement III (3.00)
- FRAN 305 Communication orale (3.00)
- FRAN 306 Communication écrite (3.00)
- FRAN 318 Le français des affaires (3.00)
- FRAN 320 Le vocabulaire français (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)

Les étudiants peuvent aussi choisir un cours de littérature de niveau 200 parmi les suivants :

- FLIT 222 Introduction à la littérature et à la culture françaises (3.00)
- FLIT 232 Introduction à la littérature et à la culture québécoises (3.00)
- FLIT 240 Introduction aux littératures et aux cultures de la Francophonie (3.00)
- FLIT 250 Introduction aux cultures populaires de langue française (3.00)

Notes:

Les cours FRAN 214 et FRAN 215 sont les équivalents de FRAN 213.

Les cours FRAN 302 et FRAN 303 sont les équivalents de FRAN 301.

Un maximum de 12 crédits de cours FRAN de niveau 200 peuvent être choisis parmi ces 18 crédits, dans un ordre préalablement accepté par le département.

Un maximum de 3 crédits peuvent être choisis parmi les cours FLIT.

6 crédits à choisir parmi les cours de langue, de rédaction ou de linguistique française de niveau 400:

- FRAA 400 Introduction à la linguistique française I (3.00)FRAA 404
- FRAA 401 Introduction à la linguistique française II (3.00)
- FRAA 403 Histoire de la langue française (3.00)
- FRAA 405 Le code oratoire (3.00)
- FRAA 410 Grammaire du français en contextes (3.00)
- FRAA 412 Grammaire de texte (3.00)
- FRAA 413 Rédaction (3.00)
- FRAA 415 Français avancé I (3.00)
- FRAA 416 Français avancé II (3.00)
- FRAA 419 Le français en Amérique du Nord, histoire et destins (3.00)
- FRAA 422 Questions actuelles en linguistique française (3.00)
- FRAA 423 Rédaction avancée (3.00)
- FRAA 429 Fondements en linguistique française (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)

Notes

Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

Certificat en langue française

Exigences du programme

Certificat en langue française (30 credits)

18 crédits à choisir parmi les cours:

- FRAN 211 French Language: Elementary (6.00)
- FRAN 212 French Language: Transitional Level (6.00)
- FRAN 218 Initiation au français oral (3.00)
- FRAN 219 Initiation au français écrit (3.00)
- FRAN 221 Correction phonétique (3.00)
- FRAN 222 Initiation à la lecture de textes littéraires (3.00)
- FRAN 304 Langue française : niveau d'approfondissement III (3.00)
- FRAN 305 Communication orale (3.00)
- FRAN 306 Communication écrite (3.00)
- FRAN 320 Le vocabulaire français (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)

Langue française : niveaux intermédiaires

Langue française : niveaux d'approfondissement I & II

Note: FRAN 211 is restricted to students with no previous training in French. FRAN 212 is designed to follow FRAN 211, or may be taken if students have little previous training in French. FRAN 211 and FRAN 212 are not intended for students who have attended high school in Quebec.

12 crédits à choisir parmi les cours:

- FRAN 304 Langue française : niveau d'approfondissement III (3.00)
- FRAN 305 Communication orale (3.00)
- FRAN 306 Communication écrite (3.00)
- FRAN 320 Le vocabulaire français (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)
- FRAA 405 Le code oratoire (3.00)
- FRAA 410 Grammaire du français en contextes (3.00)
- FRAA 412 Grammaire de texte (3.00)
- FRAA 413 Rédaction (3.00)
- FRAA 415 Français avancé I (3.00)

- FRAA 416 Français avancé II (3.00)

Langue française : niveaux d’approfondissement I & II

Notes

- Ce programme est accessible soit aux vrais débutants soit à des personnes qui ont déjà une certaine connaissance du français. Dans les deux cas, il permettra d’accéder à un niveau relativement avancé de communication et d’expression en français.
- Ce certificat exige normalement plus d’une année de scolarité.
- Ce programme comprend 30 crédits FRAN, choisis à un niveau et dans un ordre acceptés par le département.
- Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

Mineure en linguistique française

Exigences du programme

Mineure en linguistique française (24 credits)

24 crédits :

- FRAA 400 Introduction à la linguistique française I (3.00)
- FRAA 401 Introduction à la linguistique française II (3.00)
- FRAA 403 Histoire de la langue française (3.00)
- FRAA 404 Histoire de la langue française au Québec (3.00)
- FRAA 405 Le code oratoire (3.00)
- FRAA 419 Le français en Amérique du Nord, histoire et destins (3.00)
- FRAA 422 Questions actuelles en linguistique française (3.00)
- FRAA 429 Fondements en linguistique française (3.00)

Notes

- Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

BA Spécialisation en littératures de langue française

Exigences du programme

Spécialisation en littératures de langue française (60 credits)

12 crédits à choisir parmi les cours :

FRAA de niveau 400 de langue ou de rédaction

FRAA de niveau 400 de linguistique française

12 crédits:

- FLIT 300 Littérature et culture françaises du Moyen Âge au XVIIe siècle (3.00)
- FLIT 302 Littérature et culture françaises du XVIIIe siècle à aujourd'hui (3.00)
- FLIT 305 Littérature et culture québécoises (3.00)
- FLIT 308 Littératures et cultures de la Francophonie (3.00)

36 crédits à choisir parmi les cours FLIT de niveaux 300 et 400

Notes

- Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

BA Majeure en littératures de langue française

Exigences du programme

Majeure en littératures de langue française (45 credits)

15 crédits à choisir parmi les cours :

- FRAN 306 Communication écrite (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)

FRAA de niveau 400 de langue ou de rédaction

FRAA de niveau 400 de linguistique française

9 crédits à choisir parmi les cours :

- FLIT 300 Littérature et culture françaises du Moyen Âge au XVIIe siècle (3.00)
- FLIT 302 Littérature et culture françaises du XVIIIe siècle à aujourd'hui (3.00)
- FLIT 305 Littérature et culture québécoises (3.00)
- FLIT 308 Littératures et cultures de la Francophonie (3.00)

21 crédits à choisir parmi les cours FLIT de niveaux 300 et 400

Notes

- Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

BA Majeure en littératures de langue française (profil langue seconde/étrangère)

Exigences du programme

Majeure en littératures de langue française (profil langue seconde/étrangère (45 credits)

18 crédits à choisir parmi les cours :

- FRAN 218 Initiation au français oral (3.00)
- FRAN 219 Initiation au français écrit (3.00)
- FRAN 221 Correction phonétique (3.00)
- FRAN 222 Initiation à la lecture de textes littéraires (3.00)
- FRAN 304 Langue française : niveau d'approfondissement III (3.00)
- FRAN 305 Communication orale (3.00)
- FRAN 306 Communication écrite (3.00)
- FRAN 315 Correction phonétique (niveau avancé) (3.00)
- FRAN 320 Le vocabulaire français (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)
- FRAA 410 Grammaire du français en contextes (3.00)
- FRAA 412 Grammaire de texte (3.00)
- FRAA 413 Rédaction (3.00)
- FRAA 415 Français avancé I (3.00)
- FRAA 416 Français avancé II (3.00)

Langue française : niveaux intermédiaires

Langue française : niveaux d'approfondissement I & II

6 crédits à choisir parmi les cours FLIT de niveau 200

9 crédits à choisir parmi les cours :

- FLIT 300 Littérature et culture françaises du Moyen Âge au XVIIe siècle (3.00)
- FLIT 302 Littérature et culture françaises du XVIIIe siècle à aujourd'hui (3.00)
- FLIT 305 Littérature et culture québécoises (3.00)
- FLIT 308 Littératures et cultures de la Francophonie (3.00)

12 crédits à choisir parmi les cours FLIT de niveaux 300 et 400

Notes

- Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

Mineure en littératures de langue française

Exigences du programme

Mineure en littératures de langue française (24 credits)

24 crédits en littératures de langue française choisis en consultation avec le département

Notes

- Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

Groupes de cours de langue et linguistique française

FRAA de niveau 400 de langue ou de rédaction

- FRAA 410 Grammaire du français en contextes (3.00)
- FRAA 412 Grammaire de texte (3.00)
- FRAA 413 Rédaction (3.00)
- FRAA 415 Français avancé I (3.00)
- FRAA 416 Français avancé II (3.00)
- FRAA 423 Rédaction avancée (3.00)

FRAA de niveau 400 de linguistique française

- FRAA 400 Introduction à la linguistique française I (3.00)
- FRAA 401 Introduction à la linguistique française II (3.00)
- FRAA 403 Histoire de la langue française (3.00)
- FRAA 404 Histoire de la langue française au Québec (3.00)
- FRAA 405 Le code oratoire (3.00)
- FRAA 419 Le français en Amérique du Nord, histoire et destins (3.00)
- FRAA 422 Questions actuelles en linguistique française (3.00)
- FRAA 429 Fondements en linguistique française (3.00)

Langue française : niveaux intermédiaires (6 credits)

6 crédits à choisir parmi les cours:

- FRAN 213 Langue française : niveaux intermédiaires I et II (6.00)
- FRAN 214 Langue française : niveau intermédiaire I (3.00)
- FRAN 215 Langue française : niveau intermédiaire II (3.00)

Langue française : niveaux d'approfondissement (6 credits)

6 crédits à choisir parmi les cours:

- FRAN 301 Langue française : niveaux d'approfondissement I et II (6.00)
- FRAN 302 Langue française : niveau d'approfondissement I (3.00)

- FRAN 303 Langue française : niveau d’approfondissement II (3.00)

BA Spécialisation en traduction

Exigences du programme

Spécialisation en traduction (72 credits)

72 crédits à choisir parmi :

Spécialisation en traduction Option A : françaisanglais

Spécialisation en traduction Option F : anglaisfrançais

Spécialisation en traduction Option A : français-anglais (72 credits)

36 crédits de la 1re étape : Spécialisation en traduction Option A

15 crédits de la 2e étape : Spécialisation en traduction Option A

21 crédits de la 3e étape : Spécialisation en traduction Option A

1re étape : Spécialisation en traduction Option A (36 credits)

6 crédits à choisir parmi les cours :

- FRAA 413 Rédaction (3.00)
- FRAA 415 Français avancé I (3.00)
- FRAA 416 Français avancé II (3.00)
- FRAA 423 Rédaction avancée (3.00)

Note : Une étudiante ou un étudiant qui, à l'examen de classement, n'a pas obtenu une note lui permettant de suivre les cours de niveau 400 doit s'inscrire au(x) cours Langue française : niveaux d'approfondissement I & II, ou FRAN 304, ou FRAN 306, ou FRAN 321 et suivre les cours cidessus en 2e année au plus tard.

6 crédits :

- ENGL 212 English Composition — Stage I (3.00)
- ENGL 213 English Composition — Stage II (3.00)

Note : L'étudiante ou l'étudiant peut comptabiliser les 6 crédits des cours cidessus dans les 18 crédits à réaliser hors département. Dans ce cas, pour les remplacer il devra effectuer 6 crédits parmi ceux offerts au département.

Note : L'étudiant ou l'étudiante qui prend ENGL 213 à la suite du test de classement doit obtenir au moins 3 autres crédits parmi les cours suivants : ENGL 214, ENGL 216, ENGL 395, ENGL 396, ou ENGL 397, avec la permission du Département d'anglais.

6 crédits à choisir parmi les cours FLIT de niveaux 300 et 400

6 crédits en littératures de langue anglaise

12 crédits :

- FTRA 200 Méthodologie de la traduction (3.00)
- FTRA 201 Traduction générale du français à l'anglais I (3.00)
- FTRA 203 L'anglais en contact avec le français au Québec (3.00)
- FTRA 207 Traduction générale du français à l'anglais II (3.00)

2e étape : Spécialisation en traduction Option A (15 credits)

12 crédits:

- FTRA 301 Traduction littéraire du français à l'anglais (3.00)
- FTRA 305 Initiation à la traduction économique du français à l'anglais (3.00)
- FTRA 310 Initiation à la recherche documentaire et terminologique (3.00)
- FTRA 316 Informatique et traduction (3.00)

3 crédits à choisir parmi les cours de linguistique:

- FRAA 400 Introduction à la linguistique française I (3.00)
- FRAA 401 Introduction à la linguistique française II (3.00)
- FRAA 404 Histoire de la langue française au Québec (3.00)
- FRAA 419 Le français en Amérique du Nord, histoire et destins (3.00)
- LING 200 Introduction to Linguistic Science (3.00)
- LING 222 Language and Mind: The Chomskyan Program (3.00)
- LING 300 Sociolinguistics (3.00)

3e étape : Spécialisation en traduction Option A (21 credits)

6 crédits à choisir parmi les cours :

- FTRA 401 Traduction littéraire avancée : du français à l'anglais (3.00)
- FTRA 403 Traduction scientifique et technique du français à l'anglais (3.00)
- FTRA 405 Traduction commerciale et juridique du français à l'anglais (3.00)
- FTRA 408 Adaptation publicitaire (3.00)

6 crédits :

- FTRA 409 Révision et correction en traduction (3.00)
- FTRA 411 Terminologie et mondialisation (3.00)

3 crédits à choisir parmi les cours :

- FTRA 412 Théories de la traduction (3.00)
- FTRA 414 Histoire de la traduction (3.00)
- FTRA 418 Web, technologies, traduction : théories et critiques (3.00)

3 crédits à choisir parmi les cours :

- FTRA 438 Initiation au sous-titrage (3.00)
- FTRA 452 Traduction automatique (TA) et traduction assistée par ordinateur (TAO) (3.00)
- FTRA 455 Gestion de projets (3.00)
- FTRA 458 Pratique de la localisation (3.00)

3 crédits :

- FTRA 423 Stage de formation : du français à l'anglais I (3.00)

Note : Le cours FTRA 423 n'est pas inclus dans les exigences de la Spécialisation en traduction pour les étudiants inscrits au programme Co-opératif, donc le total nombre de crédits requis est 69 crédits au lieu de 72.

Spécialisation en traduction Option F : anglais-français (72 credits)

33 crédits de la 1re étape : Spécialisation en traduction Option F

18 crédits de la 2e étape : Spécialisation en traduction Option F

21 crédits de la 3e étape : Spécialisation en traduction Option F

1re étape : Spécialisation en traduction Option F (33 credits)

6 crédits à choisir parmi les cours :

- FRAA 413 Rédaction (3.00)
- FRAA 415 Français avancé I (3.00)
- FRAA 416 Français avancé II (3.00)
- FRAA 423 Rédaction avancée (3.00)

6 crédits :

- ENGL 212 English Composition — Stage I (3.00)
- ENGL 213 English Composition — Stage II (3.00)

Note : L'étudiante ou l'étudiant peut comptabiliser les 6 crédits ci-dessus dans les 18 crédits à réaliser hors département. Dans ce cas, pour les remplacer il devra effectuer 6 crédits parmi ceux offerts au département.

Note : Une étudiante ou un étudiant qui à l'examen de classement n'a pas obtenu une note lui permettant de suivre ces cours, doit s'inscrire au(x) cours ESL 204, ou ENGL 206 ou ENGL 210 et suivre les cours ENGL 212 et ENGL 213 en 2e année au plus tard.

Note : L'étudiant ou l'étudiante qui prend ENGL 213 à la suite du test de classement doit obtenir au moins 3 autres crédits parmi les cours suivants : ENGL 214, ENGL 216, ENGL 395, ENGL 396, ou ENGL 397, avec la permission du Département d'anglais.

9 crédits à choisir parmi les cours FLIT de niveaux 300 et 400

12 crédits :

- FTRA 200 Méthodologie de la traduction (3.00)
- FTRA 202 Traduction générale de l'anglais au français I (3.00)
- FTRA 204 Le français en contact avec l'anglais au Québec (3.00)
- FTRA 208 Traduction générale de l'anglais au français II (3.00)

2e étape : Spécialisation en traduction Option F (18 credits)

12 crédits:

- FTRA 304 Traduction littéraire de l'anglais au français (3.00)
- FTRA 306 Initiation à la traduction économique de l'anglais au français (3.00)
- FTRA 310 Initiation à la recherche documentaire et terminologique (3.00)
- FTRA 316 Informatique et traduction (3.00)

3 crédits à choisir parmi les cours de linguistique :

- FRAA 400 Introduction à la linguistique française I (3.00)
- FRAA 401 Introduction à la linguistique française II (3.00)
- FRAA 404 Histoire de la langue française au Québec (3.00)
- FRAA 419 Le français en Amérique du Nord, histoire et destins (3.00)

3 crédits à choisir parmi les cours de littérature:

- FLIT 447 Les voix de Montréal (3.00)
- FLIT 449 Littérature québécoise – Canadian Literature (3.00)

ou parmi les cours FRAA de niveau 400 de linguistique française

3e étape : Spécialisation en traduction Option F (21 credits)

6 crédits à choisir parmi les cours :

- FTRA 402 Traduction littéraire avancée : de l'anglais au français (3.00)
- FTRA 404 Traduction scientifique et technique de l'anglais au français (3.00)
- FTRA 406 Traduction commerciale et juridique de l'anglais au français (3.00)
- FTRA 408 Adaptation publicitaire (3.00)

6 crédits :

- FTRA 410 Révision et correction en traduction (3.00)
- FTRA 411 Terminologie et mondialisation (3.00)

3 crédits à choisir parmi les cours :

- FTRA 412 Théories de la traduction (3.00)
- FTRA 414 Histoire de la traduction (3.00)
- FTRA 418 Web, technologies, traduction : théories et critiques (3.00)

3 crédits à choisir parmi les cours :

- FTRA 438 Initiation au sous-titrage (3.00)
- FTRA 452 Traduction automatique (TA) et traduction assistée par ordinateur (TAO) (3.00)
- FTRA 455 Gestion de projets (3.00)
- FTRA 458 Pratique de la localisation (3.00)

3 crédits :

- FTRA 422 Stage de formation : de l'anglais au français I (3.00)

Note : Le cours FTRA 422 n'est pas inclus dans les exigences de la Spécialisation en traduction pour les étudiants inscrits au programme Co-opératif, donc le total nombre de crédits requis est 69 crédits au lieu de 72.

Notes

1. Le BA Spécialisation en traduction est un programme contingenté. Comme il demande une excellente connaissance du français et de l'anglais, les étudiantes et étudiants admis devront subir des tests de placement dans les deux langues. Les cours FTRA sont réservés en priorité aux étudiantes et étudiants inscrits dans les programmes de traduction.
2. Le programme comporte deux options : la traduction du français vers l'anglais ou de l'anglais vers le français. Normalement, l'étudiante ou l'étudiant choisira l'une ou l'autre de ces deux options. Dans de rares cas, certaines candidates et certains candidats pourront satisfaire aux exigences des deux options.
3. Les étudiantes et étudiants du programme de BA Spécialisation en traduction doivent obtenir une note minimale de C dans tous les cours de traduction, y compris le stage obligatoire (FTRA 422 ou FTRA 423). Si la note obtenue est inférieure à C,

les étudiantes et étudiants devront reprendre le cours dans l'année qui suit.

4. Une seule reprise est permise. Si cette exigence n'est pas satisfaite ou en cas d'échec, les étudiantes et étudiants seront radiés du programme. En cas de probation ou de radiation, les étudiantes et étudiants recevront un avis écrit de la direction du département.
5. Les étudiantes et étudiants inscrits à un programme de traduction doivent remettre leurs travaux en français dans les cours de littérature.
6. Pour l'option d'enseignement coopératif, voir Programme d'enseignement coopératif en traduction.
7. Comme le BA Spécialisation en traduction comporte 72 crédits, les étudiantes et étudiants du programme doivent obtenir 18 crédits hors département (plutôt que les 24 crédits indiqués à la section Degree Requirements).
8. Comme le BA Spécialisation en traduction comporte 69 crédits pour les étudiantes et étudiants inscrits au programme cooperératif, ces étudiants et étudiantes doivent obtenir 21 crédits hors département.
9. Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

BA Majeure en traduction

Exigences du programme

Majeure en traduction (48 credits)

12 crédits de la 1re étape : Majeure en traduction

21 crédits de la 2e étape : Majeure en traduction

15 crédits de la 3e étape : Majeure en traduction

1re étape : Majeure en traduction (12 credits)

6 crédits :

- ENGL 212 English Composition — Stage I (3.00)
- ENGL 213 English Composition — Stage II (3.00)

6 crédits à choisir parmi les cours :

- FRAN 306 Communication écrite (3.00)
- FRAN 321 Grammaire fonctionnelle du français (3.00)
- FRAA 410 Grammaire du français en contextes (3.00)
- FRAA 412 Grammaire de texte (3.00)
- FRAA 413 Rédaction (3.00)
- FRAA 415 Français avancé I (3.00)
- FRAA 416 Français avancé II (3.00)

2e étape : Majeure en traduction (21 credits)

6 crédits à choisir parmi les cours FLIT de niveaux 300 et 400

6 crédits à choisir parmi les cours :

FRAA de niveau 400 de langue ou de rédaction

3 crédits :

- FTRA 200 Méthodologie de la traduction (3.00)

6 crédits à choisir parmi :

Traduction générale du français à l'anglais I et II

Traduction générale de l'anglais au français I et II

Traduction générale du français à l'anglais I et II (6 credits)

6 crédits :

- FTRA 201 Traduction générale du français à l'anglais I (3.00)
- FTRA 207 Traduction générale du français à l'anglais II (3.00)

Traduction générale de l'anglais au français I et II (6 credits)

6 crédits :

- FTRA 202 Traduction générale de l'anglais au français I (3.00)
- FTRA 208 Traduction générale de l'anglais au français II (3.00)

3e étape : Majeure en traduction (15 credits)

6 crédits à choisir parmi :

L'anglais en contact avec le français / le français en contact avec l'anglais au Québec

Traduction littéraire du français à l'anglais / de l'anglais au français

Initiation à la traduction économique du français à l'anglais / de l'anglais au français

Traduction scientifique et technique du français à l'anglais / de l'anglais au français

Traduction commerciale et juridique du français à l'anglais / de l'anglais au français

- FTRA 310 Initiation à la recherche documentaire et terminologique (3.00)
- FTRA 408 Adaptation publicitaire (3.00)

3 crédits à choisir parmi les cours :

- FTRA 412 Théories de la traduction (3.00)
- FTRA 414 Histoire de la traduction (3.00)
- FTRA 418 Web, technologies, traduction : théories et critiques (3.00)

6 crédits en littérature anglaise

L'anglais en contact avec le français / le français en contact avec l'anglais au Québec (3 credits)

3 crédits à choisir parmi les cours :

- FTRA 203 L'anglais en contact avec le français au Québec (3.00)
- FTRA 204 Le français en contact avec l'anglais au Québec (3.00)

Traduction littéraire du français à l'anglais / de l'anglais au français (3 credits)

3 crédits à choisir parmi les cours :

- FTRA 301 Traduction littéraire du français à l'anglais (3.00)
- FTRA 304 Traduction littéraire de l'anglais au français (3.00)

Initiation à la traduction économique du français à l'anglais / de l'anglais au français (3 credits)

3 crédits à choisir parmi les cours :

- FTRA 305 Initiation à la traduction économique du français à l'anglais (3.00)
- FTRA 306 Initiation à la traduction économique de l'anglais au français (3.00)

Traduction scientifique et technique du français à l'anglais / de l'anglais au français (3 credits)

3 crédits à choisir parmi les cours :

- FTRA 403 Traduction scientifique et technique du français à l'anglais (3.00)
- FTRA 404 Traduction scientifique et technique de l'anglais au français (3.00)

Traduction commerciale et juridique du français à l'anglais / de l'anglais au français (3 credits)

3 crédits à choisir parmi les cours :

- FTRA 405 Traduction commerciale et juridique du français à l'anglais (3.00)
- FTRA 406 Traduction commerciale et juridique de l'anglais au français (3.00)

Notes

- Les étudiantes et étudiants inscrits à un programme de traduction doivent remettre leurs travaux en français dans les cours de littérature.
- Il appartient à chaque étudiante et étudiant de remplir toutes les conditions requises dans son programme.

Programme d’enseignement coopératif en traduction

L’option d’enseignement coopératif

L’option d’enseignement coopératif est offerte uniquement aux étudiantes et étudiants qui ont d’abord été admis au programme « BA Spécialisation en traduction ». Le cursus universitaire de cette option est le même que celui du « BA Spécialisation en traduction », sauf qu’il n’inclut pas le FTRA 422 ou le FTRA 423 (donc 69 crédits au lieu de 72). En alternance avec des sessions d’études à temps plein, l’option d’enseignement coopératif comporte trois stages de formation en milieu professionnel. Tout au long de leur formation, les étudiantes et étudiants de l’option d’enseignement coopératif reçoivent de l’encadrement personnel et doivent respecter les exigences de la Faculté des arts et des sciences ainsi que celles de l’Institut d’enseignement coopératif. La direction du programme d’enseignement coopératif en traduction joue un rôle d’intermédiaire entre les stagiaires et les employeurs, ce qui implique également un étroit suivi sur le plan académique. Les personnes intéressées par cette option sont priées de consulter la section Institute for Co-operative Education pour obtenir de plus amples renseignements.

Cours d'études françaises

Quick Links

Cours de langue et de linguistique

- Français langue seconde
- Linguistique française
- Langue française
- Langue ou linguistique française

Cours de littérature

- Français langue seconde/étrangère
- Introduction aux littératures de langue française
- Époques et aires culturelles
- Thèmes et formes littéraires

Cours de traduction

Notes

- Si une étudiante ou un étudiant s'inscrit à un cours de langue d'un niveau inférieur ou supérieur à ses connaissances, le département se réserve le droit de lui demander de s'inscrire à un cours d'un niveau plus approprié.
- In cases where students are enrolled in language classes which do not match their linguistic skills, the Department reserves the right to advise them to transfer into a class at a more appropriate level.

French as a Second Language

- FRAN 211 is restricted to students with no previous training in French. FRAN 212 is designed to follow FRAN 211, or may be taken if students have little previous training in French. FRAN 211 and FRAN 212 are not intended for students who have attended high school in Quebec.
- Some students with previous French language background are restricted to certain levels of French language courses at Concordia. These restrictions are indicated as "exemptions" on the student record. Apart from any exemptions which may have been granted to undergraduate students, the following restrictions apply to ALL students:
- Students who have completed any 602-900-level Cegep courses or who have graduated from Francophone secondary institutions may obtain a maximum of six credits in the range of FRAN 301-321 at Concordia. No credit is awarded for language courses numbered FRAN 211-221.
- Students who have completed any 601-series Cegep courses or who have attended a Francophone Cegep may ONLY obtain credits for Concordia French Language courses at the 400 level (FRAA 400-498). No credit is awarded for language courses numbered 211-221 or 301-321.

Cours de langue et de linguistique

Français langue seconde

FRAI 201 Immersive Beginner French (6 credits)

Description:

This course is designed for students with no prior knowledge of French. It introduces basic structures and commonly used vocabulary to communicate information about oneself or one's immediate surroundings. This course enhances both oral and written skills, but emphasis is placed on oral comprehension and expression in predictable communication situations. The content corresponds to levels 1 and 2 of the *Échelle québécoise des niveaux de compétence en français.*

Component(s):

"Lecture"

Notes:

- This course is assessed on a success/no success basis.
- This course is restricted to students with no previous training in French. This course is not intended for students who have attended high school in Quebec.
- Students who have received credit for FRAN 211 may not take this course for credit.

FRAI 202 Français élémentaire immersif I (6 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable : FRAI 201 ou FRAN 211; ou l'équivalent.

Description:

Ce cours de niveau « débutant avancé » s'adresse aux étudiantes et étudiants dont la compétence en français correspond au niveau 2 en cours d'acquisition de l'*Échelle québécoise des niveaux de compétence en français.* Il renforce les structures de base du français et vise à développer la spontanéité autour de thèmes de la vie quotidienne. Ce cours permet d'améliorer les compétences orales et écrites, en soutenant le développement de l'assurance lors des échanges oraux. Les contenus enseignés couvrent les niveaux 2 et 3 de l'*Échelle québécoise.*

This "advanced beginner" level course is designed for students whose proficiency in French corresponds to level 2 in progress on the *Échelle québécoise des niveaux de compétence en français*. It reinforces the basic structures of French and aims to develop spontaneous communication around everyday themes. This course helps improve oral and written skills, supporting the learner's development of self-confidence in oral exchanges. Content covers levels 2 and 3 of the *Échelle québécoise.*

Component(s):

"Lecture"

Notes:

- This course is assessed on a success/no success basis. Ce cours est évalué sous la forme réussi/non réussi.
- Ce cours est conçu pour faire suite au cours FRAI 201 ou FRAN 211. Les étudiantes et étudiants qui n'ont pas suivi de cours de français préalable au Département d'études françaises doivent passer un test de classement. Ce cours n'est pas destiné aux étudiantes et étudiants qui ont fréquenté l'école secondaire au Québec.

- Les étudiantes et étudiants qui ont suivi FRAN 212 ne peuvent obtenir de crédits pour ce cours.

FRAI 203 Français élémentaire immersif II (6 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable : FRAI 202 ou FRAN 212; ou l'équivalent .

Description:

Ce cours « élémentaire fonctionnel » s'adresse aux étudiantes et étudiants avec un niveau 3 en cours d'acquisition de l'*Échelle québécoise des niveaux de compétence en français.* Il met l'accent sur la gestion de conversations comportant des éléments abstraits et de plus en plus complexes. Le cours développe toutes les compétences orales et écrites nécessaires à la connaissance fonctionnelle du français, en mettant l'accent sur le développement de l'autonomie dans diverses situations de communication. Les contenus enseignés correspondent aux niveaux 3 et 4 de l'*Échelle québécoise.*

Component(s):

"Lecture"

Notes:

- Ce cours est évalué sous la forme réussi/non réussi.
- Ce cours est conçu pour suivre le cours FRAI 202 ou FRAN 212. Les étudiantes et étudiants qui n'ont pas suivi de cours de français préalable au Département d'études françaises doivent passer un test de classement. Ce cours n'est pas destiné aux étudiantes et étudiants qui ont fréquenté l'école secondaire au Québec.
- Les étudiantes et étudiants qui ont reçu des crédits pour les cours FRAN 213, FRAN 214 ou FRAN 215 ne peuvent pas recevoir de crédits pour ce cours.

FRAI 204 Français intermédiaire immersif (6 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 203, FRAN 213 ou FRAN 215 ; ou l'équivalent.

Description:

Ce cours intermédiaire s'adresse aux étudiantes et étudiants dont la compétence en français correspond au niveau 4 en cours d'acquisition de l'*Échelle québécoise des niveaux de compétence en français.* Il vise à développer la compréhension de la communication essentielle dans les situations de la vie courante. Le cours porte sur les compétences orales et écrites, avec une attention particulière à l'amélioration de l'aisance à l'oral dans divers contextes de communication. Les contenus enseignés correspondent aux niveaux 4 et 5 de l'*Échelle québécoise.*

Component(s):

"Lecture"

Notes:

- Ce cours est évalué sous la forme réussi/non réussi.
- Ce cours est conçu pour faire suite aux cours FRAI 203, FRAN 213 ou FRAN 215. Les étudiantes et étudiants qui n'ont pas suivi de cours de français préalable au Département d'études françaises doivent passer un test de classement. Ce cours n'est pas destiné aux étudiantes et étudiants qui ont fréquenté l'école secondaire au Québec.

- Les étudiantes et étudiants qui ont reçu des crédits pour FRAN 301 ou FRAN 303 ne peuvent pas recevoir de crédits pour ce cours.

FRAN 211 French Language: Elementary (6 credits)

Description:

This course includes a comprehensive introduction to the basic structures and vocabulary of French and should enable students to acquire an ability to speak and understand simple conversational French. Both oral and written aspects of the language are presented, with special emphasis on oral skills.

Notes:

- This course is restricted to students with no previous training in French. This course is not intended for students who have attended high school in Quebec.
- Students who have received credit for FRAI 201, FRAN 200 or FRAN 201 may not take this course for credit.

FRAN 212 French Language: Transitional Level (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FRAI 201 or FRAN 211; or equivalent.

Description:

The aim of this course is to provide students who have studied either one year of French at the university or post-secondary level, or two years of French at the secondary level or equivalent, with an opportunity to improve their levels of comprehension and expression so that they will be able to communicate with greater ease in written and oral French. Students will expand their repertory of linguistic structures and vocabulary through in-class directed conversation groups, homework, oral lab, and written exercises.

Component(s):

"Lecture"

Notes:

- This course is designed to follow FRAN 211, or may be taken if students have little previous training in French. This course is not intended for students who have attended high school in Quebec.
- Les étudiantes et étudiants qui ont suivi FRAI 202 ne peuvent obtenir de crédits pour ce cours.

FRAN 213 Langue française : niveaux intermédiaires I et II (6 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 202 ou FRAN 212; ou l'équivalent.

Description:

Ce cours s'adresse aux étudiantes et étudiants ayant suivi soit quatre ans de français à l'école secondaire, soit deux ans de français au niveau collégial, soit 12 crédits de français à l'université, ou l'équivalent. Par un apprentissage et approfondissement de mécanismes grammaticaux, du vocabulaire, de techniques de compréhension et production écrites et orales, l'étudiant sera amené à développer les compétences nécessaires pour communiquer avec aisance en français.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAI 203, FRAN 204, FRAN 214, ou FRAN 215 ne peuvent obtenir de crédits pour ce cours.

FRAN 214 Langue française : niveau intermédiaire I (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 212 ou l'équivalent.

Description:

Ce cours s'adresse aux étudiantes et étudiants ayant suivi soit quatre ans de français à l'école secondaire, soit deux ans de français au niveau collégial, soit 12 crédits de français à l'université, ou l'équivalent. Par un apprentissage et approfondissement de mécanismes grammaticaux, du vocabulaire, de techniques de compréhension et production écrites et orales, l'étudiant sera amené à développer les compétences nécessaires pour communiquer avec aisance en français.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 204 ou FRAN 213 ne peuvent obtenir de crédits pour ce cours.

FRAN 215 Langue française : niveau intermédiaire II (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 214 ou l'équivalent.

Description:

Ce cours est la suite du FRAN 214. Il vise à donner à l'étudiant une plus grande aisance dans son utilisation du français oral et écrit. Les travaux prendront la forme d'exercices variés de grammaire, de vocabulaire, de compréhension et production de textes écrits, et d'interaction orale.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 205 ou FRAN 213 ne peuvent obtenir de crédits pour ce cours.

FRAN 218 Initiation au français oral (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 203 ou FRAN 213 ; ou l'équivalent.

Description:

Ce cours de niveau intermédiaire s'adresse à des étudiantes et à des étudiants qui ont une connaissance de base du français et qui désirent renforcer leur compétence en communication orale. Une démarche combinant compréhension auditive et expression orale permettra de développer aussi bien les habiletés à comprendre la langue parlée que l'aisance à prendre la parole.

Component(s):

"Lecture"

FRAN 219 Initiation au français écrit (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 203 ou FRAN 213 ; ou l'équivalent.

Description:

Ce cours de niveau intermédiaire s'adresse à des étudiantes et étudiants qui ont une bonne compétence en communication orale en français et qui désirent renforcer leur compétence en communication écrite. Il a principalement pour objectif d'amener les étudiantes et les étudiants à consolider leurs connaissances de la structure de la phrase de base et de ses transformations, et à enrichir leur vocabulaire. Les étudiantes et les étudiants seront également initiés à la composition de textes divers et à deux techniques d'expression : le plan et le résumé.

Component(s):

"Lecture"

FRAN 221 Correction phonétique (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 202 ou FRAN 212; ou l'équivalent.

Description:

Ce cours s'adresse à des étudiantes et des étudiants dont la langue maternelle n'est pas le français et qui souhaitent améliorer leur prononciation. Une approche systématique, qui combine des activités de perception et d'articulation allant des sons isolés à la phrase, leur permettra d'acquérir et de mettre en pratique les règles de la phonétique française (prononciation, liaison, intonation).

Component(s):

"Lecture"

FRAN 222 Initiation à la lecture de textes littéraires (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 203 , FRAN 213, ou FRAN 215; ou l'équivalent.

Description:

Ce cours est une initiation à la compréhension de textes littéraires. Il permet de développer une plus grande autonomie en lecture, d'enrichir le vocabulaire et, plus généralement, d'améliorer les compétences en français.

FRAN 298 Étude d'un sujet particulier (3 credits)

Description:

Les préalables de ces cours, ainsi que les sujets particuliers qui y sont étudiés, sont indiqués dans le Undergraduate Class Schedule.

FRAN 301 Langue française : niveaux d'approfondissement I et II (6 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 203, FRAN 213, ou FRAN 215; ou l'équivalent.

Description:

Ce cours d'approfondissement est destiné aux étudiantes et étudiants qui possèdent déjà une bonne connaissance du français mais qui ont besoin d'améliorer leur expression écrite et orale. Le cours est essentiellement axé sur la pratique de la lecture, sur la compréhension de textes et de documents audiovisuels, ainsi que sur la pratique de la grammaire et de la rédaction.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAI 204 , FRAN 302, ou FRAN 303 ne peuvent obtenir de crédits pour ce cours.

FRAN 302 Langue française : niveau d'approfondissement I (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 203 , FRAN 213, ou FRAN 215; ou l'équivalent.

Description:

Ce cours de français, niveau d'approfondissement I, est destiné aux étudiantes et étudiants qui possèdent déjà une bonne connaissance du français mais qui ont besoin d'améliorer leur expression orale et écrite. Le cours est essentiellement axé sur la pratique de la lecture, sur la compréhension de textes et de documents audiovisuels, ainsi que sur la pratique de la grammaire et de la rédaction.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAI 204 ou FRAN 301 ne peuvent obtenir de crédits pour ce cours.

FRAN 303 Langue française : niveau d'approfondissement II (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 302 ou l'équivalent.

Description:

Ce cours de français, niveau d'approfondissement II, est destiné aux étudiantes et étudiants qui possèdent déjà une bonne connaissance du français mais qui ont besoin d'améliorer leur expression écrite et orale. Le cours est essentiellement axé sur la pratique de la grammaire et de la rédaction.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAI 204 ou FRAN 301 ne peuvent obtenir de crédits pour ce cours.

FRAN 304 Langue française : niveau d'approfondissement III (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 204 , FRAN 301 ou FRAN 303; ou l'équivalent.

Description:

Ce cours de français, niveau d'approfondissement III, est destiné aux étudiantes et étudiants qui possèdent déjà une bonne connaissance du français, mais qui ont besoin d'approfondir leur expression écrite et orale.

Component(s):

"Lecture"

FRAN 305 Communication orale (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 204 , FRAN 301, ou FRAN 303; ou l'équivalent.

Description:

Ce cours s'adresse à des étudiantes et des étudiants non francophones qui souhaitent améliorer les aptitudes nécessaires à une communication orale efficace en français. Des présentations théoriques et des activités pratiques exploitant des situations de communication variées leur permettront d'acquérir une plus grande aisance et de mieux organiser leur discours. Des activités d'écoute basées sur des documents authentiques leur permettront d'augmenter leur capacité de compréhension en français.

Component(s):

"Lecture"

FRAN 306 Communication écrite (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 204, FRAN 301, ou FRAN 303; ou l'équivalent.

Description:

Acquisition des techniques nécessaires à la rédaction. Étude des différents styles de langue écrite par opposition à ceux de la langue parlée. Pratique de l'analyse et du commentaire de texte.

Component(s):

"Lecture"

FRAN 315 Correction phonétique (niveau avancé) (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 204, FRAN 221, FRAN 301, ou FRAN 303; ou l'équivalent.

Description:

Ce cours s'adresse à l'étudiante ou l'étudiant qui peut s'exprimer clairement du point de vue phonétique et qui désire acquérir une performance en prononciation. Le cours est essentiellement axé sur les particularités prosodiques et phonétiques du français. Une importance est également accordée à l'intonation expressive.

Component(s):

"Lecture"

FRAN 318 Le français des affaires (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 306 ou l'équivalent.

Description:

Ce cours vise à faire acquérir des compétences nécessaires à une communication écrite et orale efficace dans des situations complexes du marché du travail. Les étudiantes et étudiants seront amenés à analyser et à rédiger divers documents administratifs (lettres, procès-verbaux, comptes rendus) ainsi qu'à communiquer oralement avec aisance dans le milieu des affaires. L'approfondissement des notions linguistiques et l'exploitation d'un vocabulaire relatif à la langue des affaires font aussi partie des objectifs du cours.

Component(s):

"Lecture"

FRAN 320 Le vocabulaire français (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 303 ou l'équivalent.

Description:

Ce cours propose une présentation méthodique des divers aspects du vocabulaire français. Il comporte quatre parties: introduction générale et présentation des outils bibliographiques; origine et évolution des mots; procédés de création lexicale; variation sémantique. Les travaux prendront la forme d'exercices variés de vocabulaire, d'analyses de textes et de recherches lexicales.

Component(s):

"Lecture"

Notes:

- Avec le cours FRAN 306, ce cours constituerait une bonne préparation aux cours de langue de niveau 400.
- Les étudiantes et étudiants qui ont suivi FRAN 334 ne peuvent obtenir de crédits pour ce cours.

FRAN 321 Grammaire fonctionnelle du français (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 304 ou FRAN 306; ou l'équivalent.

Description:

Ce cours de mise à niveau s'adresse à l'étudiante ou l'étudiant qui, possédant déjà des connaissances approfondies en français, veut développer des automatismes de correction adaptés aux différents types de communication. Axé sur la compréhension et l'expression écrite et orale, il permettra à l'étudiante ou à l'étudiant d'atteindre une meilleure utilisation de la langue française.

Component(s):

"Lecture"

FRAN 398 Étude d'un sujet particulier (3 credits)

Description:

Les préalables de ces cours, ainsi que les sujets particuliers qui y sont étudiés, sont indiqués dans le Undergraduate Class Schedule.

Component(s):

"Lecture"

Linguistique française

FRAA 400 Introduction à la linguistique française I (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 306 et FRAN 321 ou l'équivalent.

Description:

Ce cours vise à initier l'étudiante ou l'étudiant à l'analyse descriptive de la structure linguistique du français contemporain. Il présente un aperçu des aspects phonémiques, morphosyntaxiques et lexicaux de la langue considérée comme un système. Outre les notions de base sur la linguistique générale, on y aborde les méthodes d'analyse phonétique, phonologique et morphologique du français.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 330 ne peuvent obtenir de crédits pour ce cours.

FRAA 401 Introduction à la linguistique française II (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAA 400 ou l'équivalent.

Description:

Suite du FRAA 400, ce cours vise à poursuivre l'étude du système linguistique du français contemporain. Outre les notions de base sur la sociolinguistique et la linguistique de l'énonciation, il traite des méthodes d'analyse syntaxique, lexicale et sémantique du français.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 331 ne peuvent obtenir de crédits pour ce cours.

FRAA 403 Histoire de la langue française (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 321 ou l'équivalent.

Description:

Ce cours est une initiation à l'histoire interne et à l'histoire externe du français. On étudiera, d'une part, les origines de cette langue et ses transformations au cours des siècles, sur les plans phonétique, orthographique, morphologique, syntaxique, lexical et sémantique et, d'autre part, l'évolution de sa situation dans le monde comme langue maternelle, langue seconde, langue de culture.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 333 ne peuvent obtenir de crédits pour ce cours.

FRAA 404 Histoire de la langue française au Québec (3 credits)

Prerequisite/Corequisite:

Les cours suivant doit être complété au préalable: six crédits parmi FRAN 320, FRAN 321, FRAA 400, FRAA 401, FRAA 403 ou l'équivalent.

Description:

Aperçu de l'évolution du français au Québec, du XVIIe siècle à nos jours. Étude de la formation du français québécois et des influences internes et externes qu'il a subies au cours du temps. À l'aide de documents provenant d'époques successives, on s'attachera à définir ce qui caractérise les différents états du français parlé et écrit au Québec.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 466 ne peuvent obtenir de crédits pour ce cours.

FRAA 405 Le code oratoire (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 321 ou l'équivalent.

Description:

Ce cours avancé de langue vise à donner aux étudiantes et aux étudiants des connaissances sur les mécanismes en jeu dans la communication orale. Il porte sur les processus cognitifs impliqués dans la production et la compréhension du langage et sur la pragmatique, c'est-à-dire sur les aspects linguistiques du fonctionnement et de l'interprétation des énoncés en contexte. Il comporte également un volet pratique sur la création et la transmission de discours oraux universitaires : introduction à la rhétorique et création de discours informatifs et argumentatifs.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 404 ou FRAN 405 ou FRAN 408 ne peuvent obtenir de crédits pour ce cours.

FRAA 419 Le français en Amérique du Nord, histoire et destins (3 credits)

Prerequisite/Corequisite:

Les cours suivants doivent être complétés au préalable: six crédits parmi FRAN 320, FRAN 321, FRAA 400, FRAA 401, FRAA 403 ou l'équivalent.

Description:

La présence de la langue française en sol nord-américain ne se limite pas au Québec, à l'Acadie et à la Louisiane. En effet, il existe plusieurs autres variétés de français parlées au Canada (le franco-ontarien, le franco-manitobain, le français mitchif ou encore le franco-albertain) et aux États-Unis (le français du Missouri, le franco-américain ou encore le franco-dakotain). L'objectif de ce cours est d'offrir aux étudiantes et aux étudiants un portrait à la fois historique, sociolinguistique et culturel de ces nombreuses variétés nord-américaines du français.

Component(s):

"Lecture"

FRAA 422 Questions actuelles en linguistique française (3 credits)

Prerequisite/Corequisite:

Les cours suivants doivent être complétés au préalable: FRAN 321; trois crédits parmi FRAA 400, FRAA 401, FRAA 403, FRAA 404 ou l'équivalent.

Description:

Ce cours propose l'étude d'un sujet particulier du domaine de la linguistique. Plus précisément, ce cours aborde des questions qui peuvent être rattachées au domaine de l'énonciation, de la sociolinguistique, des politiques linguistiques, du traitement automatique du langage ou d'autres domaines de recherche en linguistique. Des présentations théoriques, des ateliers d'observation ou des exercices d'application permettront à l'étudiante et à l'étudiant de mieux cerner la problématique abordée.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 471 ne peuvent obtenir de crédits pour ce cours.

FRAA 429 Fondements en linguistique française (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAA 401 ou l'équivalent.

Description:

Ce cours vise à approfondir les connaissances de l'étudiante et de l'étudiant dans les trois domaines fondamentaux de la linguistique française : la phonologie, la syntaxe et la morphologie.

Component(s):

"Lecture"

Langue française

FRAA 410 Grammaire du français en contextes (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 321 ou l'équivalent.

Description:

Ce cours vise le perfectionnement des connaissances grammaticales et l'acquisition d'une excellente compréhension du fonctionnement de la langue française en tant que système. En analysant des documents de diverses natures, en produisant des textes et en présentant des exposés oraux, l'étudiante et l'étudiant seront amenés à effectuer des choix langagiers adaptés à différents contextes de communication.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 406 ne peuvent obtenir de crédits pour ce cours.

FRAA 412 Grammaire de texte (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 321.

Description:

Ce cours de communication écrite vise l'approfondissement des connaissances de la structuration du texte. L'accent est mis sur l'acquisition des règles spécifiques de la grammaire du texte qui dépassent le cadre d'une grammaire de la phrase. Dans cette perspective seront abordés des éléments tels que la reprise lexicale et pronominale, les articulateurs textuels et le rôle des paragraphes. Différentes organisations textuelles seront également analysées et ce, dans une perspective élargie de communication écrite.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 407 ne peuvent obtenir de crédits pour ce cours.

FRAA 413 Rédaction (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAN 321 ou l'équivalent.

Description:

Ce cours est destiné à l'étudiante ou à l'étudiant qui possède déjà une connaissance approfondie de la langue française. Il vise l'apprentissage des exigences méthodologiques propres aux travaux universitaires en abordant l'élaboration d'un plan et d'une bibliographie ainsi que la rédaction de textes informatifs et argumentatifs. Par le biais d'exercices de lecture, de rappels grammaticaux et d'ateliers de rédaction, l'étudiante ou l'étudiant pourra corriger ses lacunes et apprendre à nuancer son expression.

Component(s):

"Lecture"

FRAA 415 Français avancé I (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAA 410.

Description:

Ce cours est destiné à l'étudiante ou à l'étudiant qui souhaite, tant à l'écrit qu'à l'oral, développer une argumentation structurée et cohérente, mettre en œuvre des outils d'organisation, d'articulation et de cohésion du discours. Il vise à permettre à l'étudiante ou à l'étudiant d'enrichir ses connaissances grammaticales et culturelles, de s'exprimer efficacement, d'argumenter de façon claire, de comprendre un large éventail de textes et discours longs ainsi que leur signification implicite.

FRAA 416 Français avancé II (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAA 415.

Description:

Ce cours constitue la suite du FRAA 415, français avancé I. Il est destiné à l'étudiante ou à l'étudiant qui souhaite, tant à l'écrit qu'à l'oral, développer une argumentation structurée et cohérente, mettre en œuvre des outils d'organisation, d'articulation et de cohésion du discours. Il vise à permettre à l'étudiante ou à l'étudiant d'enrichir ses connaissances grammaticales et culturelles, de s'exprimer efficacement, d'argumenter de façon claire, de comprendre un large éventail de textes et discours longs ainsi que leur signification implicite.

FRAA 423 Rédaction avancée (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAA 413 ou l'équivalent.

Description:

Ce cours vise l'approfondissement des compétences rédactionnelles par l'apprentissage de techniques de recherche documentaire et de synthèse textuelle, et par l'écriture de textes combinant ces techniques comme le compte rendu critique, le dossier ou le texte de vulgarisation.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 403 ne peuvent obtenir de crédits pour ce cours.

Langue ou linguistique française

FRAA 491 Tutorat en langue ou linguistique (3 credits)

Prerequisite/Corequisite:

Les cours suivant doit être complété au préalable: 12 crédits de langue ou de linguistique au niveau «400».

Description:

Étude d'un sujet particulier dans le domaine de la langue ou de la linguistique.

Component(s):

"Tutorial"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 491 ne peuvent obtenir de crédits pour ce cours.

FRAA 492 Tutorat en langue ou linguistique (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: 12 crédits de langue ou de linguistique au niveau «400».

Description:

Étude d'un sujet particulier dans le domaine de la langue ou de la linguistique.

Component(s):

"Tutorial"

FRAA 498 Étude avancée d'un sujet particulier (3 credits)

Description:

Les préalables de ces cours, ainsi que les sujets particuliers qui y sont étudiés, sont indiqués dans le Undergraduate Class Schedule.

Component(s):

"Tutorial"

Notes:

- Les étudiantes et étudiants qui ont suivi le même sujet sous le numéro FRAN 498 ne peuvent obtenir de crédits pour ce cours.

Cours de littérature

Français langue seconde/étrangère

FLIT 222 Introduction à la littérature et à la culture françaises (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 204, FRAN 301 , ou FRAN 303; ou l'équivalent.

Description:

Ce cours offre une introduction à la littérature et à la culture françaises et à leurs spécificités historiques, sociales et linguistiques par la lecture et l'étude de quelques œuvres représentatives.

Component(s):

"Lecture"

Notes:

- Ce cours est réservé aux étudiantes et étudiants ayant effectué leurs études secondaires dans une langue autre que le français.

FLIT 232 Introduction à la littérature et à la culture québécoises (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 204, FRAN 301, ou FRAN 303; ou l'équivalent.

Description:

Ce cours offre une introduction à la littérature et à la culture québécoises et à leurs spécificités historiques, sociales et linguistiques par la lecture et l'étude de quelques œuvres représentatives.

Component(s):

"Lecture"

Notes:

- Ce cours est réservé aux étudiantes et étudiants ayant effectué leurs études secondaires dans une langue autre que le français.

FLIT 240 Introduction aux littératures et aux cultures de la Francophonie (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 204, FRAN 301, ou FRAN 303; ou l'équivalent.

Description:

Ce cours offre une introduction aux littératures et aux cultures des pays francophones du sud et à leurs spécificités historiques, sociales et linguistiques par la lecture et l'étude de quelques oeuvres représentatives.

Component(s):

"Lecture"

Notes:

- Ce cours est réservé aux étudiantes et étudiants ayant effectué leurs études secondaires dans une langue autre que le français.

FLIT 250 Introduction aux cultures populaires de langue française (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAI 204, FRAN 301, ou FRAN 303; ou l'équivalent.

Description:

Ce cours offre une introduction aux cultures populaires de langue française (littérature, cinéma, télévision, chanson) et à leurs spécificités historiques, sociales et linguistiques par la lecture et l'étude de quelques œuvres représentatives.

Component(s):

"Lecture"

Notes:

- Ce cours est réservé aux étudiantes et étudiants ayant effectué leurs études secondaires dans une langue autre que le français.

Introduction aux littératures de langue française

FLIT 300 Littérature et culture françaises du Moyen Âge au XVIIe siècle (3 credits)

Description:

Aperçu général de la littérature française du Moyen Âge, de la Renaissance et du XVIIe siècle, et des contextes historiques, sociaux et culturels qui permettent de mieux comprendre les œuvres.

Component(s):

"Lecture"

FLIT 302 Littérature et culture françaises du XVIIIe siècle à aujourd'hui (3 credits)

Description:

Aperçu général de la littérature française du XVIIIe siècle à aujourd'hui et des contextes historiques, sociaux et culturels qui permettent de mieux comprendre les œuvres.

Component(s):

"Lecture"

FLIT 305 Littérature et culture québécoises (3 credits)

Description:

Aperçu général de la littérature québécoise du début du XXe siècle à aujourd'hui et des contextes historiques, sociaux et culturels qui permettent de mieux comprendre les œuvres.

Component(s):

"Lecture"

FLIT 308 Littératures et cultures de la Francophonie (3 credits)

Description:

Aperçu général des littératures des pays francophones du sud et des contextes historiques, sociaux et culturels qui permettent de mieux comprendre les œuvres.

Component(s):

"Lecture"

Époques et aires culturelles

FLIT 310 Littérature française du Moyen Âge (3 credits)

Description:

Étude de la littérature du Moyen Âge (chanson de geste, courtoisie, satire, lyrisme), de son contexte et de ses principales thématiques.

Component(s):

"Lecture"

FLIT 312 Littérature française de la Renaissance (3 credits)

Description:

Étude de la littérature du XVIe siècle (humanisme, poètes de la Pléiade), de son contexte et de ses principales thématiques.

Component(s):

"Lecture"

FLIT 314 Littérature française du XVIIe siècle (3 credits)

Description:

Étude de la littérature du XVIIe siècle (baroque, classicisme), de son contexte et de ses principales thématiques.

Component(s):

"Lecture"

FLIT 316 Littérature française du XVIIIe siècle (3 credits)

Description:

Étude de la littérature du XVIIIe siècle (Lumières, libertinage), de son contexte et de ses principales thématiques.

Component(s):

"Lecture"

FLIT 318 Littérature française du XIXe siècle I (3 credits)

Description:

Étude des principaux courants de la première moitié du XIXe siècle (romantisme, réalisme) et de leurs principales thématiques telles que le lyrisme et les transformations sociales.

Component(s):

"Lecture"

FLIT 319 Littérature française du XIXe siècle II (3 credits)

Description:

Étude des principaux courants de la seconde moitié du XIXe siècle (réalisme, Parnasse, naturalisme, décadence, symbolisme) et de leurs principales thématiques telles que le progrès, la question sociale et le statut de la littérature.

Component(s):

"Lecture"

FLIT 320 Littérature française du XXe siècle I (3 credits)

Description:

Étude des principaux courants de la première moitié du XXe siècle (surréalisme, existentialisme, absurde) et de leurs principales thématiques telles que l'inconscient, la guerre, les extrêmes politiques et le relativisme philosophique.

Component(s):

"Lecture"

FLIT 321 Littérature française du XXe siècle II (3 credits)

Description:

Étude des principaux courants de la seconde moitié du XXe siècle (absurde, nouveau roman, Oulipo) et de leurs principales thématiques telles que le souvenir de l'Occupation, la société de consommation, la libéralisation des mœurs et la révolte de la jeunesse.

Component(s):

"Lecture"

Notes:

- Il n’est pas nécessaire d’avoir suivi FLIT 320 pour s’inscrire à ce cours.

FLIT 324 Littérature française contemporaine (3 credits)

Description:

Étude des principaux courants contemporains (retour au réalisme, postmodernisme, autofiction) et de leurs principales thématiques telles que le néolibéralisme, le multiculturalisme, l’influence du numérique et la conscience historique.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FLIT 424 ne peuvent obtenir de crédits pour ce cours.

FLIT 339 Littérature québécoise avant 1900 (3 credits)

Description:

Étude de la littérature de la fondation de la Nouvelle-France à la fin du XIXe siècle (écrits coloniaux, contes et légendes, roman historique, roman de colonisation, poésie patriotique), de son contexte et de ses principales thématiques.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FLIT 303 ne peuvent obtenir de crédits pour ce cours.

FLIT 341 Littérature québécoise de 1900 à 1960 (3 credits)

Description:

Étude des principaux courants de 1900 à 1960 (terroir, réalisme, roman psychologique) et de leurs principales thématiques telles que la survivance, l’urbanisation et la quête identitaire.

Component(s):

"Lecture"

FLIT 343 Littérature québécoise de 1960 à 1980 (3 credits)

Description:

Étude des principaux courants de 1960 à 1980 (nouveau roman, contreculture, écriture migrante) et de leurs principales thématiques telles que l’identité nationale et linguistique, la modernité, le féminisme.

Component(s):

"Lecture"

FLIT 345 Littérature québécoise de 1980 à aujourd'hui (3 credits)

Description:

Étude des principaux courants depuis 1980 (écriture migrante, postmodernisme, autofiction, néo-terroir) et de leurs principales thématiques telles que le désenchantement, l'américanité, l'hyperconsommation et le multiculturalisme.

Component(s):

"Lecture"

FLIT 351 Théâtre québécois (3 credits)

Description:

Étude du théâtre moderne et contemporain, de ses théories, de ses pratiques et des principaux axes de son développement comme le théâtre populaire, le réalisme, la critique sociale, les expérimentations formelles et l'autoréflexivité.

Component(s):

"Lecture"

FLIT 362 Littératures du Maghreb (3 credits)

Description:

Étude d'œuvres francophones significatives de l'Algérie, de la Tunisie et du Maroc en contexte colonial (interrogations identitaires, génération 54, revue souffles) et après les Indépendances (interrogations sociales, engagement et contestation politiques), de la littérature beure à la littérature-monde.

Component(s):

"Lecture"

FLIT 363 Littératures d'Afrique francophone (3 credits)

Description:

Étude d'œuvres significatives de quelques pays d'Afrique subsaharienne francophone en contexte colonial (la négritude) et postcolonial, des Indépendances à nos jours, du roman de la dictature au roman de la migritude.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FLIT 364 ne peuvent obtenir de crédits pour ce cours.

FLIT 365 Littératures de la Caraïbe francophone (3 credits)

Description:

Étude d'œuvres significatives de la Guadeloupe, de la Martinique, de la Guyane, des courants littéraires auxquels elles appartiennent (négritude, antillanité, créolité, Tout-monde) et des enjeux contemporains de la création littéraire caribéenne.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FLIT 364 ne peuvent obtenir de crédits pour ce cours

FLIT 367 Littérature d'Haïti (3 credits)

Description:

Étude d'œuvres significatives d'Haïti de l'indépendance à nos jours et de courants littéraires comme le romantisme haïtien, l'indigénisme, le mouvement de La Nouvelle Ronde, la négritude et la littérature de la diaspora.

Component(s):

"Lecture"

FLIT 371 Littérature des femmes en France (3 credits)

Description:

Étude d'œuvres françaises de diverses époques écrites par des femmes et de leurs principales thématiques telles que l'affirmation identitaire, le rapport au social, le corps et le féminisme.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FLIT 472 ne peuvent obtenir de crédits pour ce cours.

FLIT 373 Littérature des femmes au Québec (3 credits)

Description:

Étude d'œuvres québécoises de diverses époques écrites par des femmes et de leurs principales thématiques telles que l'affirmation identitaire, le rapport au social, le corps et le féminisme.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FLIT 471 ne peuvent obtenir de crédits pour ce cours.

FLIT 375 Littérature des femmes de la Francophonie (3 credits)

Description:

Étude d'œuvres de différents pays francophones du sud écrites par des femmes et de leurs principales thématiques liées à différents contextes culturels, historiques et idéologiques, de la colonisation à la décolonisation, du féminisme au womanism.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FLIT 360 ne peuvent obtenir de crédits pour ce cours.

FLIT 398 Étude d'un sujet particulier (3 credits)

Description:

Étude d'un sujet particulier dans le domaine des littératures de langue française. Le contenu spécifique du cours est indiqué dans le Undergraduate Class Schedule.

Component(s):

"Lecture"

Thèmes et formes littéraires

FLIT 402 Littérature et culture populaires de la France (3 credits)

Description:

Analyse d'œuvres représentatives de la littérature et de la culture populaires de la France (par exemple, roman, théâtre, cinéma, télévision, chanson) et examen de leurs spécificités historiques, sociales et linguistiques.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FLIT 446 ne peuvent obtenir de crédits pour ce cours.

FLIT 404 Littérature et culture populaires du Québec (3 credits)

Description:

Analyse d'œuvres représentatives de la littérature et de la culture populaires du Québec (par exemple, roman, théâtre, cinéma, télévision, chanson) et examen de leurs spécificités historiques, sociales et linguistiques.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FLIT 446 ne peuvent obtenir de crédits pour ce cours.

FLIT 406 Littératures et cultures populaires de la Francophonie (3 credits)

Description:

Analyse d'œuvres représentatives des littératures et des cultures des pays francophones du sud (par exemple, roman, théâtre, cinéma, télévision, chanson) et examen de leurs spécificités historiques, sociales et linguistiques.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FLIT 446 ne peuvent obtenir de crédits pour ce cours.

FLIT 411 La bande dessinée (3 credits)

Description:

Analyse d'œuvres de bande dessinée et de roman graphique en français et étude des différents concepts qui permettent de théoriser les rapports entre texte et image (narration, scénarisation, ancrage, relais).

Component(s):

"Lecture"

FLIT 413 Le roman policier français (3 credits)

Description:

Analyse d'œuvres représentatives de la tradition du roman policier français (roman à énigme, roman noir, roman à suspense, néo-polar, polar contemporain) et examen de leurs spécificités historiques, sociales et linguistiques.

Component(s):

"Lecture"

FLIT 415 Les écritures scéniques (3 credits)

Description:

Analyse de formes émergentes et de stratégies dramaturgiques significatives des arts de la scène (théâtre, danse-théâtre, performance, cirque contemporain) visant à mettre en évidence ce qui s'écrit sur scène par la parole, le geste, l'image et la performance.

Component(s):

"Lecture"

FLIT 431 Littératures coloniales (3 credits)

Description:

Analyse d'œuvres littéraires francophones (Maghreb, Afrique subsaharienne) de la fin du XIXe siècle aux années 1960, situation des enjeux politiques, historiques, sociaux et culturels qu'elles abordent, et examen de textes-clés des principaux penseurs et des mouvements anticoloniaux.

Component(s):

"Lecture"

FLIT 433 Littératures postcoloniales (3 credits)

Description:

Analyse d'œuvres littéraires francophones (Maghreb, Afrique subsaharienne) des Indépendances africaines à nos jours, situation des enjeux politiques, historiques, sociaux et culturels qu'elles abordent, et examen de textes-clés des théories postcoloniales.

Component(s):

"Lecture"

FLIT 447 Les voix de Montréal (3 credits)

Description:

Analyse d'œuvres littéraires qui ont pour sujet la ville de Montréal, son histoire, son présent, ses quartiers, ses habitants, ses langues, ses cultures, son ambiance et sa diversité, afin de mieux comprendre les représentations qui la caractérisent.

Component(s):

"Lecture"

FLIT 449 Littérature québécoise – Canadian Literature (3 credits)

Description:

Analyse comparée d'œuvres significatives des littératures québécoise et canadienne-anglaise visant à mettre en évidence leurs similitudes et leurs traits distinctifs à la lumière des contextes historiques, sociaux et culturels.

Component(s):

"Lecture"

FLIT 464 Littératures mondiales (3 credits)

Description:

Analyse d'œuvres significatives de la littérature-monde, en traduction française, qui ont eu un impact hors de leur contexte d'origine et qui reflètent des interrogations contemporaines.

Component(s):

"Lecture"

FLIT 466 Littératures des Amériques (3 credits)

Description:

Analyse d'œuvres littéraires des Amériques (Canada, États-Unis, Amérique latine), en français ou en traduction française, visant à mettre en évidence des enjeux liés à l'américanité, à la transculturalité et à l'hybridation.

Component(s):

"Lecture"

FLIT 468 Littératures autochtones (3 credits)

Description:

Analyse d'œuvres significatives des littératures autochtones en français ou en traduction française et examen des enjeux culturels, historiques, sociaux et linguistiques qu'elles mettent en évidence.

Component(s):

"Lecture"

FLIT 470 Littérature et cinéma (3 credits)

Description:

Analyse d'œuvres littéraires en français et de leur adaptation cinématographique, selon les caractéristiques respectives de l'expression écrite et du langage filmique, afin de comprendre la nature et les effets de la transposition.

Component(s):

"Lecture"

FLIT 473 Littérature et numérique (3 credits)

Description:

Analyse d'œuvres littéraires en français ou en traduction française, parues sous la forme de livre ou de dispositif hypermédiatique, qui témoignent des changements que le numérique entraîne dans les pratiques d'écriture et de lecture.

Component(s):

"Lecture"

FLIT 476 Littérature et musique (3 credits)

Description:

Analyse d'œuvres littéraires en français ayant la musique pour sujet, afin de comprendre la représentation thématique d'un univers musical (répertoire, sous-culture) et la transposition verbale d'un phénomène sonore.

Component(s):

"Lecture"

FLIT 478 Littérature et gastronomie (3 credits)

Description:

Analyse d'œuvres littéraires en français qui ont pour sujet l'alimentation (production, cuisine, consommation, rituels), à l'aide de notions liées au domaine des études gastronomiques (food studies), pour mieux comprendre les représentations du fait alimentaire.

Component(s):

"Lecture"

FLIT 486 Création littéraire I (3 credits)

Description:

Introduction aux pratiques et aux exigences de la création littéraire (forme, ton, rythme, lexique) par le biais de lectures et d'ateliers d'écriture.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAA 440 ne peuvent obtenir de crédits pour ce cours.

FLIT 488 Création littéraire II (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FRAA 440 ou FLIT 486 ou l'équivalent.

Description:

Approfondissement des pratiques et des exigences de la création littéraire (forme, ton, rythme, lexique) par le biais de lectures et d'ateliers d'écriture ainsi que par l'élaboration d'un projet individuel.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAA 441 ne peuvent obtenir de crédits pour ce cours.

FLIT 494 Tutorat en littérature (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: 12 crédits en littérature et autorisation du département.

Description:

Étude individuelle dirigée d'un sujet particulier dans le domaine des littératures de langue française.

Component(s):

"Tutorial"

FLIT 495 Tutorat en littérature (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: 12 crédits en littérature et autorisation du département.

Description:

Étude individuelle dirigée d'un sujet particulier dans le domaine des littératures de langue française.

Component(s):

"Tutorial"

Notes:

- Toute étudiante et tout étudiant s'inscrivant pour la seconde fois au cours FLIT 494 obtient les crédits FLIT 495.
- Les étudiantes et étudiants qui ont suivi FRAN 495 ne peuvent obtenir de crédits pour ce cours.

FLIT 496 Recherche dirigée (6 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: 12 crédits dans la spécialité et autorisation du département.

Description:

Étude individuelle dirigée permettant d'approfondir un sujet particulier dans le domaine des littératures de langue française.

Component(s):

"Tutorial"

FLIT 498 Étude d'un sujet particulier (3 credits)

Description:

Étude d'un sujet particulier dans le domaine des littératures de langue française. Le contenu spécifique du cours est indiqué dans le Undergraduate Class Schedule.

Cours de traduction

FTRA 200 Méthodologie de la traduction (3 credits)

Prerequisite/Corequisite:

Les cours suivants doivent être complétés au préalable: ENGL 207 et FRAN 306 ou équivalent.

Description:

Ce cours a pour but d'initier l'étudiante et l'étudiant aux problèmes de la traduction. Il sera une introduction générale aux différentes approches du texte à traduire : analyse du discours, grammaire contrastive, stylistique comparée, terminologie et recherche documentaire.

Component(s):

"Lecture"

Notes:

- Ce cours comporte plusieurs sections, les unes réservées aux étudiantes et étudiants de l'option française, les autres à celles et ceux de l'option anglaise.
- Les étudiantes et étudiants qui ont suivi TRAD 200 ne peuvent obtenir de crédits pour ce cours.

FTRA 201 Traduction générale du français à l'anglais I (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 200.

Description:

Traduction du français à l'anglais de textes généraux et analyse des problèmes liés au transfert linguistique.

Component(s):

"Lecture"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 201 ou TRAD 202 ne peuvent obtenir de crédits pour ce cours.

FTRA 202 Traduction générale de l'anglais au français I (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 200.

Description:

Traduction de l'anglais au français de textes généraux et analyse des problèmes liés au transfert linguistique.

Component(s):

"Lecture"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 201 ou 202 ne peuvent obtenir de crédits pour ce cours.

FTRA 203 L'anglais en contact avec le français au Québec (3 credits)

Description:

Ce cours s'adresse aux étudiantes et étudiants anglophones en traduction, langue, littérature et rédaction. Il les sensibilisera aux problèmes liés au contact de l'anglais avec le français au Québec et leur permettra de corriger leurs propres erreurs de façon systématique. Le cours est axé sur la langue écrite et on travaillera uniquement sur des textes journalistiques.

Component(s):

"Lecture"

FTRA 204 Le français en contact avec l'anglais au Québec (3 credits)

Description:

Ce cours s'adresse aux étudiantes et étudiants francophones en traduction, langue, littérature et rédaction. Il les sensibilisera aux problèmes liés au contact du français avec l'anglais au Québec et leur permettra de corriger leurs propres erreurs de façon systématique. Le cours est axé sur la langue écrite et on travaillera uniquement sur des textes journalistiques.

Component(s):

"Lecture"

FTRA 207 Traduction générale du français à l'anglais II (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 200.

Description:

Ce cours s'adresse aux étudiantes et étudiants anglophones et porte sur la traduction du français à l'anglais de textes généraux, et sur l'analyse des problèmes liés au transfert linguistique.

Component(s):

"Lecture"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.

FTRA 208 Traduction générale de l'anglais au français II (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 200.

Description:

Ce cours s'adresse aux étudiantes et étudiants francophones et porte sur la traduction de l'anglais au français de textes généraux, et sur l'analyse des problèmes liés au transfert linguistique.

Component(s):

"Lecture"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.

FTRA 298 Étude d'un sujet particulier (3 credits)

Description:

Les préalables de ces cours, ainsi que les sujets particuliers qui y sont étudiés, sont indiqués dans le Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi un cours TRAD 298 ayant le même contenu ne peuvent obtenir de crédits pour ce cours.

FTRA 299 Étude d'un sujet particulier (6 credits)

Description:

Les préalables de ces cours, ainsi que les sujets particuliers qui y sont étudiés, sont indiqués dans le Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi un cours TRAD 299 ayant le même contenu ne peuvent obtenir de crédits pour ce cours.

FTRA 301 Traduction littéraire du français à l'anglais (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 201.

Description:

Sensibilisation aux problèmes spécifiques à la traduction littéraire. Travaux pratiques : traduction de textes de genres variés.

Component(s):

"Lecture"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 301 ou TRAD 302 ne peuvent obtenir de crédits pour ce cours.

FTRA 304 Traduction littéraire de l'anglais au français (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 202.

Description:

Sensibilisation aux problèmes spécifiques à la traduction littéraire. Travaux pratiques : traduction de textes de genres variés.

Component(s):

"Lecture"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 303 ou TRAD 304 ne peuvent obtenir de crédits pour ce cours.

FTRA 305 Initiation à la traduction économique du français à l'anglais (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 207.

Description:

Sensibilisation aux problèmes que pose dans le domaine de l'économie la traduction du français à l'anglais.

Component(s):

"Lecture"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.

FTRA 306 Initiation à la traduction économique de l'anglais au français (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 208.

Description:

Sensibilisation aux problèmes que pose dans le domaine de l'économie la traduction de l'anglais au français.

Component(s):

"Lecture"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.

FTRA 310 Initiation à la recherche documentaire et terminologique (3 credits)

Prerequisite/Corequisite:

Le cours suivants dois être complété au préalable: FTRA 201 ou FTRA 202.

Description:

Le cours fournit les outils permettant de repérer les problèmes de terminologie en traduction. Sont traités : les cheminements documentaire et terminologique (terminologie bilingue ou unilingue, langues de spécialités); la création de produits terminographiques (surtout thématiques); l'intervention linguistique et ses modalités (perspective sociolinguistique).

Component(s):

"Lecture"

Notes:

- (F/A) Ce cours peut être offert en français ou en anglais.
- Les étudiantes et étudiants qui ont suivi TRAD 310 ne peuvent obtenir de crédits pour ce cours.

FTRA 316 Informatique et traduction (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable : FTRA 201 ou FTRA 202, et connaissance du traitement de textes.

Description:

Ce cours porte sur la langue de l'informatique, la théorie et les concepts fondamentaux qui s'y rapportent. Il comporte des exercices de traduction, et une initiation aux outils informatisés pour les traducteurs : Internet, bases de données, systèmes

de traduction assistée, utilitaires.

Component(s):

"Lecture"

Notes:

- (F/A) Ce cours peut être offert en français ou en anglais.
- Les étudiantes et étudiants qui ont suivi TRAD 416 ne peuvent obtenir de crédits pour ce cours.

FTRA 398 Étude d'un sujet particulier (3 credits)

Description:

Les préalables de ces cours, ainsi que les sujets particuliers qui y sont étudiés, sont indiqués dans le Undergraduate Class Schedule.

Notes:

- Les étudiantes et étudiants qui ont suivi un cours TRAD 398 ayant le même contenu ne peuvent obtenir de crédits pour ce cours.

FTRA 399 Étude d'un sujet particulier (6 credits)

Description:

Les préalables de ces cours, ainsi que les sujets particuliers qui y sont étudiés, sont indiqués dans le Undergraduate Class Schedule.

Notes:

- Les étudiantes et étudiants qui ont suivi un cours TRAD 399 ayant le même contenu ne peuvent obtenir de crédits pour ce cours.

FTRA 401 Traduction littéraire avancée : du français à l'anglais (3 credits)

Description:

Étude des différents principes et des différentes techniques de la traduction littéraire; aperçu de la traduction littéraire au Canada. Travaux pratiques : analyse critique et comparaison de traductions et de leur original; traduction de textes français.

Component(s):

"Lecture"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 401 ne peuvent obtenir de crédits pour ce cours.

FTRA 402 Traduction littéraire avancée : de l'anglais au français (3 credits)

Description:

Étude des différents principes et des différentes techniques de la traduction littéraire; aperçu de la traduction littéraire au Canada. Travaux pratiques : analyse critique et comparaison de traductions et de leur original; traduction de textes anglais.

Component(s):

"Lecture"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 402 ne peuvent obtenir de crédits pour ce cours.

FTRA 403 Traduction scientifique et technique du français à l'anglais (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 201.

Description:

Initiation aux différents problèmes de la traduction dans les langues de spécialités scientifiques et techniques (français-anglais). Le cours est divisé en plusieurs parties, chaque partie correspondant à un domaine spécialisé en traduction.

Component(s):

"Lecture"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 403 ne peuvent obtenir de crédits pour ce cours.

FTRA 404 Traduction scientifique et technique de l'anglais au français (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 202.

Description:

Initiation aux différents problèmes de la traduction dans les langues de spécialités scientifiques et techniques (anglais-français). Le cours est divisé en plusieurs parties, chaque partie correspondant à un domaine spécialisé en traduction.

Component(s):

"Lecture"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 404 ne peuvent obtenir de crédits pour ce cours.

FTRA 405 Traduction commerciale et juridique du français à l'anglais (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 201.

Description:

Initiation aux différents problèmes de la traduction dans les langues de spécialités de l'administration, du commerce et du droit (français-anglais). Le cours est divisé en plusieurs parties, chaque partie correspondant à un domaine spécialisé en traduction.

Component(s):

"Lecture"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 405 ne peuvent obtenir de crédits pour ce cours.

FTRA 406 Traduction commerciale et juridique de l'anglais au français (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 202.

Description:

Initiation aux différents problèmes de la traduction dans les langues de spécialités de l'administration, du commerce et du droit (anglais-français). Le cours est divisé en plusieurs parties, chaque partie correspondant à un domaine spécialisé.

Component(s):

"Lecture"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 406 ne peuvent obtenir de crédits pour ce cours.

FTRA 408 Adaptation publicitaire (3 credits)

Prerequisite/Corequisite:

Les cours suivant doivent être complétés au préalable: FTRA 301 ou FTRA 304, FTRA 305 ou FTRA 306.

Description:

Initiation à l'adaptation de textes publicitaires. À partir d'exemples empruntés à la publicité écrite, radiophonique ou télévisée, les étudiantes et étudiants seront amenés à se familiariser avec les problèmes linguistiques, affectifs et sociaux soulevés par le travail d'adaptation.

Component(s):

"Lecture"

Notes:

- (F/A) Ce cours peut être offert en français ou en anglais.
- Les étudiantes et étudiants qui ont suivi TRAD 408 ne peuvent obtenir de crédits pour ce cours.

FTRA 409 Révision et correction en traduction (3 credits)

Prerequisite/Corequisite:

Les cours suivants doivent être complétés au préalable: FTRA 301 ou FTRA 305.

Description:

Ce cours abordera les différentes méthodes de révision et de correction de textes rédigés ou traduits en anglais; il sensibilisera les étudiantes et étudiants aux aspects humains et techniques du métier de réviseure et réviseur; on touchera aussi aux problèmes de l'évaluation de la qualité des traductions.

Component(s):

"Lecture"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 409 ou TRAD 410 ne peuvent obtenir de crédits pour ce cours.

FTRA 410 Révision et correction en traduction (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 304 ou FTRA 306.

Description:

Ce cours abordera les différentes méthodes de révision et de correction de textes rédigés ou traduits en français; il sensibilisera les étudiantes et étudiants aux aspects humains et techniques du métier de réviseure et réviseur; on touchera aussi aux problèmes de l'évaluation de la qualité des traductions.

Component(s):

"Lecture"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 409 ou TRAD 410 ne peuvent obtenir de crédits pour ce cours.

FTRA 411 Terminologie et mondialisation (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 310.

Description:

Le cours porte sur certains points fins en terminologie et en terminographie modernes : synonymie, marques sociolinguistiques, néonymie, normalisation et internationalisation. Il traite spécifiquement du rôle de la terminologie dans la gestion de l'information unilingue et multilingue dans les entreprises et dans les organismes nationaux et internationaux. L'aspect pratique prend, entre autres, la forme de rédaction de rapports de recherche et l'utilisation d'outils terminotiques.

Component(s):

"Lecture"

Notes:

- (F/A) Ce cours peut être offert en français ou en anglais.

FTRA 412 Théories de la traduction (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 301 ou FTRA 304 ou FTRA 305 ou FTRA 306.

Description:

Ce cours est une initiation aux différentes théories actuelles de la traduction. Est examiné l'apport de secteurs disciplinaires clés tels que la linguistique, la sémiotique, la sociocritique, dans le développement de la traductologie moderne.

Component(s):

"Lecture"

Notes:

- (F/A) Ce cours peut être offert en français ou en anglais.
- Les étudiantes et étudiants qui ont suivi TRAD 412 ne peuvent obtenir de crédits pour ce cours.

FTRA 414 Histoire de la traduction (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 301 ou FTRA 304 ou FTRA 305 ou FTRA 306.

Description:

Cours d'initiation à l'histoire de la traduction où sont traités les grands courants de la traduction depuis l'Antiquité classique. Sera également abordée la traduction dans certaines sociétés non occidentales. On procèdera par thèmes et par aires géographiques en mettant l'accent sur les époques clés de grands changements politiques et culturels.

Component(s):

"Lecture"

Notes:

- (F/A) Ce cours peut être offert en français ou en anglais.
- Les étudiantes et étudiants qui ont suivi TRAD 414 ne peuvent obtenir de crédits pour ce cours.

FTRA 418 Web, technologies, traduction : théories et critiques (3 credits)

Prerequisite/Corequisite:

Le cours suivant doit être complété au préalable: FTRA 412 ou FTRA 414.

Description:

Ce cours pose une réflexion théorique sur les pratiques contemporaines issues du contexte de la mondialisation par rapport aux technologies, au Web multilingue et à la traduction. Sont examinés les aspects et les enjeux culturels, sociaux, linguistiques, scientifiques, techniques, philosophiques, institutionnels, politiques et idéologiques. Le cours comporte des discussions hebdomadaires et un travail approfondi de recherche sur l'analyse des courants actuels des technologies et du Web en mettant l'accent sur la traduction et la communication mondiale.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi le même sujet sous le numéro FTRA 498 ne peuvent obtenir de crédits pour ce cours.

FTRA 420 Stage de formation : de l'anglais au français (6 credits)

Prerequisite/Corequisite:

Les étudiantes et étudiants doivent compléter 60 crédits, dont au moins 24 crédits FTRAavant de s'inscrire. L'autorisation de la coordinatrice ou du coordinateur des stages est requise.

Description:

Le stage a pour but d'initier l'étudiante ou l'étudiant à l'activité professionnelle dans le domaine de la traduction de l'anglais au français et de lui faire connaître le monde du travail. Le stage peut comporter des tâches en traduction, en terminologie ou en gestion de projet. Il a lieu généralement en entreprise, au gouvernement ou en milieu communautaire ou sous forme de mentorat OTTIAQ.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 420 ne peuvent obtenir de crédits pour ce cours.

FTRA 421 Stage de formation : du français à l'anglais (6 credits)

Prerequisite/Corequisite:

Les étudiantes et étudiants doivent compléter 60 crédits en traduction, dont au moins 24 crédits FTRA. L'autorisation de la coordinatrice ou du coordinateur des stages est requise.

Description:

Le stage a pour but d'initier l'étudiante ou l'étudiant à l'activité professionnelle dans le domaine de la traduction du français à l'anglais et de lui faire connaître le monde du travail. Le stage peut comporter des tâches en traduction, en terminologie ou en gestion de projet. Il a lieu généralement en entreprise, au gouvernement ou en milieu communautaire ou sous forme de mentorat OTTIAQ.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.
- Les étudiantes et étudiants qui ont suivi TRAD 421 ne peuvent obtenir de crédits pour ce cours.

FTRA 422 Stage de formation : de l'anglais au français I (3 credits)

Prerequisite/Corequisite:

Les étudiants doivent compléter 60 crédits en traduction, dont au moins 24 crédits FTRA. L'autorisation de la coordinatrice ou du coordinateur des stages est requise.

Description:

Le stage a pour but d'initier l'étudiante ou l'étudiant à l'activité professionnelle dans le domaine de la traduction de l'anglais au français et de lui faire connaître le monde du travail. Le stage peut comporter des tâches en traduction, en terminologie ou en gestion de projet. Il a lieu généralement en entreprise, au gouvernement ou en milieu communautaire ou sous forme de mentorat OTTIAQ.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.

FTRA 423 Stage de formation : du français à l'anglais I (3 credits)

Prerequisite/Corequisite:

Les étudiants doivent compléter 60 crédits en traduction, dont au moins 24 crédits FTRA. L'autorisation de la coordinatrice ou du coordinateur des stages est requise.

Description:

Le stage a pour but d'initier l'étudiante ou l'étudiant à l'activité professionnelle dans le domaine de la traduction du français à l'anglais et de lui faire connaître le monde du travail. Le stage peut comporter des tâches en traduction, en terminologie ou en gestion de projet. Il a lieu généralement en entreprise, au gouvernement ou en milieu communautaire ou sous forme de mentorat OTTIAQ.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.

FTRA 424 Stage de formation : de l'anglais au français II (3 credits)

Prerequisite/Corequisite:

Les étudiants doivent compléter 60 crédits en traduction, dont au moins 24 crédits FTRA. L'autorisation de la coordinatrice ou du coordinateur des stages est requise.

Description:

Le stage a pour but d'initier l'étudiante ou l'étudiant à l'activité professionnelle dans le domaine de la traduction de l'anglais au français et de lui faire connaître le monde du travail. Le stage peut comporter des tâches en traduction, en terminologie ou en gestion de projet. Il a lieu généralement en entreprise, au gouvernement ou en milieu communautaire ou sous forme de mentorat OTTIAQ.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- (F) Ce cours a l'anglais comme langue de départ et le français comme langue d'arrivée.

FTRA 425 Stage de formation : du français à l'anglais II (3 credits)

Prerequisite/Corequisite:

Les étudiants doivent compléter 60 crédits en traduction, dont au moins 24 crédits FTRA. L'autorisation de la coordinatrice ou du coordinateur des stages est requise.

Description:

Le stage a pour but d'initier l'étudiante ou l'étudiant à l'activité professionnelle dans le domaine de la traduction du français à l'anglais et de lui faire connaître le monde du travail. Le stage peut comporter des tâches en traduction, en terminologie ou en gestion de projet. Il a lieu généralement en entreprise, au gouvernement ou en milieu communautaire ou sous forme de mentorat OTTIAQ.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- (A) Ce cours a le français comme langue de départ et l'anglais comme langue d'arrivée.

FTRA 438 Initiation au sous-titrage (3 credits)

Prerequisite/Corequisite:

Les cours suivants doivent être complétés au préalable: FTRA 301 ou FTRA 305, FTRA 304 ou FTRA 306.

Description:

Ce cours a pour but d'initier les étudiantes et étudiants à la traduction audiovisuelle, en particulier au sous-titrage. Il comporte un volet théorique, avec lectures et analyses, ainsi qu'un volet pratique où sont traités les principes et les conventions du sous-titrage, les aspects techniques et les genres cinématographiques. Sont aussi abordées la traduction de la voix hors-champ et les techniques d'accessibilité tels le sous-titrage pour malentendants et l'audiodescription.

Component(s):

"Lecture"

Notes:

- Les étudiantes et étudiants qui ont suivi TRAD 408 ou qui ont suivi le même sujet sous le numéro FTRA 498 ne peuvent obtenir de crédits pour ce cours.

FTRA 452 Traduction automatique (TA) et traduction assistée par ordinateur (TAO) (3 credits)

Prerequisite/Corequisite:

Le cours suivants doit être complété au préalable : FTRA 416.

Description:

Ce cours permet d'analyser les aspects morphologiques, lexicaux, syntaxiques et sémantiques des systèmes de traduction automatisée. L'étudiante et l'étudiant apprennent à appliquer les concepts analysés à un système commercialisé. Ils évaluent des traductions machine, font des exercices simples de programmation portant sur des problèmes linguistiques; ils appliquent des outils de gestion et de traduction au matériel à localiser à l'aide de logiciels de localisation, de logiciels de terminologie, et de mémoires de traduction.

Component(s):

"Lecture"

FTRA 455 Gestion de projets (3 credits)

Prerequisite/Corequisite:

Les étudiants doivent compléter 12 crédits FTRA avant de s'inscrire.

Description:

Ce cours traite de la gestion des projets de traduction/localisation multilingues, depuis la rédaction de l'offre de services, jusqu'au contrôle de la qualité et la livraison, en passant par la résolution de problèmes et la gestion en situation de crise. Il comprend une partie théorique et des mises en situation. Les étudiantes et étudiants se familiarisent avec l'évaluation des ressources (humaines et matérielles) nécessaires pour exécuter le travail, l'élaboration d'échéanciers et le suivi d'un budget. Ils apprennent à gérer les ressources affectées aux projets afin de pouvoir respecter le mandat qui leur est confié.

Component(s):

"Lecture"

FTRA 458 Pratique de la localisation (3 credits)

Prerequisite/Corequisite:

Les étudiants doivent compléter 12 crédits FTRA avant de s'inscrire.

Description:

L'étudiante et l'étudiant étudieront dans ce cours les stratégies de localisation et les processus de localisation : la localisation de logiciels et la localisation de sites web; les acteurs dans les projets de localisation; la situation et le travail du traducteur dans les projets de localisation; les types de fichiers à localiser : ressources, code source, fichiers d'aide, guides imprimés, matériel marketing; les types de logiciels localisés : logiciels système, logiciels de gestion, logiciels client, logiciels multimédia, logiciels web.

Component(s):

"Lecture"

FTRA 492 Tutorat en traduction (3 credits)

Prerequisite/Corequisite:

Les étudiants doivent compléter 12 crédits de traduction au niveau « 400 » avant de s'inscrire. La permission du département est requise.

Description:

Étude d'un sujet particulier dans le domaine de la traduction.

Component(s):

"Tutorial"

Notes:

- Les étudiantes et étudiants qui ont suivi FRAN 492 ne peuvent obtenir de crédits pour ce cours.

FTRA 498 Étude avancée d'un sujet particulier (3 credits)

Description:

Les préalables de ces cours, ainsi que les sujets particuliers qui y sont étudiés, sont indiqués dans le Undergraduate Class Schedule.

Notes:

- Les étudiantes et étudiants qui ont suivi un cours TRAD 498 ayant le même contenu ne peuvent obtenir de crédits pour ce cours.

FTRA 499 Étude avancée d'un sujet particulier (6 credits)

Description:

Les préalables de ces cours, ainsi que les sujets particuliers qui y sont étudiés, sont indiqués dans le Undergraduate Class Schedule.

Notes:

- Les étudiantes et étudiants qui ont suivi un cours TRAD 499 ayant le même contenu ne peuvent obtenir de crédits pour ce cours.

Section 31.120 Department of Health, Kinesiology, and Applied Physiology

Department of Health, Kinesiology, and Applied Physiology

Health, Kinesiology, and Applied Physiology Programs

- Health, Kinesiology, and Applied Physiology Program Notes

Athletic Therapy Programs

- BSc Honours in Athletic Therapy
- Athletic Therapy (BScAT)

Exercise Science Programs

- BSc Honours in Exercise Science
- BSc Major in Exercise Science

Kinesiology and Clinical Exercise Physiology Programs

- BSc Honours in Kinesiology and Clinical Exercise Physiology
- BSc Kinesiology and Clinical Exercise Physiology

Department of Health, Kinesiology, and Applied Physiology Courses

Department of Health, Kinesiology, and Applied Physiology

Note

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/health-kinesiology-physiology.html

Department Objectives

The Department of Health, Kinesiology, and Applied Physiology is committed to teaching and research in the areas of exercise, health, and physical activity while emphasizing the 1) fields of athletic therapy and 2) kinesiology and clinical exercise physiology. The curriculum permits students to explore the biomechanical and physiological responses to physical activity of healthy individuals and persons with a variety of pathologies and disabilities. Lectures and laboratories are combined with supervised involvement in research, and community and professional activities. Students are provided with an education which is compatible with obtaining employment in the health and fitness field or continuing their studies in health-related professional or graduate schools.

The BSc Honours in Athletic Therapy, BSc in Athletic Therapy (BScAT), BSc Honours in Exercise Science, BSc Major in Exercise Science, BSc Honours in Kinesiology and Clinical Exercise Physiology and BSc in Kinesiology and Clinical Exercise Physiology provide students with the opportunity to acquire essential knowledge and a strong foundation in the field of exercise science. Students are exposed to a concentrated series of courses that incorporate the application of biological sciences to exercise, physical activity, and health-related areas including athletic therapy and kinesiology and clinical exercise physiology.

The fundamental concepts associated with the BSc in Kinesiology and Clinical Exercise Physiology (KCEP) include the adaptation of traditional exercise forms, assessment techniques, and training protocols which address the needs of individuals with a disease or functional disability (e.g. heart disease, diabetes, neurological disorders). Students entering the field of KCEP acquire an appreciation of persons with a disability, their lifestyle, and their exercise possibilities. The form of exercise application ranges from adapted physical activities to competitive sports.

The BSc in Athletic Therapy (BScAT) is accredited by the Canadian Athletic Therapists Association (CATA) and is directed toward the preparation of students seeking to become a Certified Athletic Therapist in Canada (CAT[C]). A CAT(C) is devoted to the health care of physically active individuals. The scope of practice of the CATA includes prevention, immediate care, and reconditioning of musculoskeletal injuries. Some of the techniques used to accomplish prevention of injury are postural evaluation, conditioning, and providing prophylactic support. Immediate care and rehabilitation of musculoskeletal injury consist of injury assessment, first aid and emergency care, exercise and modality therapy, and preparing individuals for safe return to physical activity or athletic participation. Student members (certification candidates) of the CATA must fulfill the academic and practical requirements of a program accredited by the CATA in order to enter the CATA certification exam process. The Department of Health, Kinesiology, and Applied Physiology offers one of seven such programs in Canada.

While the BSc major offers core applied-science, health, and fitness courses, the BSc honours also introduces undergraduate students to research concepts and protocols. The BSc in Athletic Therapy (BScAT) and BSc in Kinesiology and Clinical Exercise Physiology (KCEP) offer courses providing a theoretical knowledge base in the respective areas of study.

Note: Labs in the Department of Health, Kinesiology, and Applied Physiology may require physical contact and/or skin exposure with another classmate while learning assessment, treatment, exercise techniques, and equipment placement. The labs manifest important and necessary scenarios to prepare the student for future professional employment. All labs, and parts thereof, in the Department of Health, Kinesiology, and Applied Physiology are mandatory. If participation in some labs is deemed problematic, the laboratory instructor, the course professor, and/or Chair of the Department of Health, Kinesiology, and Applied Physiology must be contacted as early as possible.

The Department is also participating in the Kaié:ri Nikawerá:ke Indigenous Bridging Program for BSc Health, Kinesiology, and Applied Physiology students. This program offers alternative entry to eligible Indigenous students, specifically from First Nations, Métis and Inuit communities located in Canada, whose academic path is non-traditional. Students who successfully complete this

bridging program will be able to transition to the program of their choice within the Department of Health, Kinesiology, and Applied Physiology. For admissions criteria, please consult the following pages:

- Kaié:ri Nikawerá:ke Indigenous Bridging Program under Section 14 Alternative Entry
- Kaié:ri Nikawerá:ke Indigenous Bridging Program for General BSc, Health, Kinesiology, and Applied Physiology Stream, under Section 31.002 Programs and Admission Requirements

Please see the Kaié:ri Nikawerà:ke Indigenous Bridging Program website for more information: concordia.ca/students/new/indigenous-bridging-program

Health, Kinesiology, and Applied Physiology Program Notes

- Students are required to complete the appropriate profile for entry into the programs within the Department of Health, Kinesiology, and Applied Physiology (see Section 31.002 Programs and Admission Requirements — Profile).
- Students entering the major, Athletic Therapy, and Kinesiology and Clinical Exercise Physiology programs should refer to Section 16.3.10 Academic Performance, and Section 31.003.1 Academic Performance Regulations — AGPA Requirements.
- Students considering entry into the honours program should refer to Section 31.003 Degree Requirements which includes the honours regulations for the Faculty of Arts and Science.
- In the Athletic Therapy program, CATA courses (CATA 337, CATA 339, CATA 348, CATA 437, CATA 439, CATA 441, CATA 447, and CATA 462) that consist of both laboratories and lectures require a satisfactory performance (grade of C-) be obtained in each of the components for successful completion of the course. In addition, a minimum grade of B in relevant courses must be met to be enrolled in the Athletic Therapy internships (CATA 475, CATA 485, CATA 495). The specific requirements are listed in the course notes.

Application Procedures

- All newly admitted students enter the BSc Major in Exercise Science. Admission to the BSc Honours in Exercise Science, BSc in Athletic Therapy (BScAT) or BSc in Kinesiology and Clinical Exercise Physiology is by internal transfer only. Upon completion of a specified list of courses, any student may submit a request for an internal transfer.

Eligibility Requirements for Internal Transfer

- To be eligible to transfer from the BSc Major in Exercise Science into the BSc Honours in Exercise Science program, students must: 1) complete all courses in Stage I of the major, 2) have an assessment GPA of at least 3.30 for all program and elective courses, 3) have a cumulative GPA of at least 3.30 for all program and elective courses, and 4) have letter grades of C or above in all program and elective courses.
- To be eligible to transfer from the BSc Major in Exercise Science into the BSc in Athletic Therapy (BScAT) or the BSc in Kinesiology and Clinical Exercise Physiology, students must complete all courses in Stage I of the major with a minimum cumulative GPA of 3.00.
- Students who fail to meet the internal transfer requirements from the major to the honours, Athletic Therapy, or Kinesiology and Clinical Exercise Physiology program have two options. The first option is to remain in the major for the duration of their studies. The second option is to repeat some courses in Stage I of the major until the transfer requirements have been met.

Stage Eligibility Requirements

- The major, honours, and Kinesiology and Clinical Exercise Physiology (KCEP) programs are composed of three stages, whereas the Athletic Therapy (AT) program has four stages. To be eligible to register for courses in the next stage of a given program, students must complete all of the courses in a previous stage of their program. Please refer to the course maps that follow summarizing the courses students are required to take in each stage of the respective programs.
- Students who fail to complete all the science prerequisites by the end of Stage II are prevented from progressing to the next stage of their program. In addition, it is strongly recommended that these students contact their academic advisor. The science prerequisite courses include BIOL 201; CHEM 205, CHEM 206; MATH 203, MATH 205; PHYS 204, PHYS 205, PHYS 206, PHYS 224, PHYS 225, PHYS 226 or their equivalents. Please note that PHYS 204 and PHYS 224 or their equivalents must be taken before registering for EXCI 351.

Stage Requirements of the Major Program

- To be eligible to register for courses in Stage II of the major, students must complete all courses in Stage I of the major and be in acceptable standing (see Section 16.3.10 Academic Performance and Section 31.003.1 Academic Performance

Regulations).

- To be eligible to register for courses in Stage III of the major, students must complete all courses in Stage II of the major and be in acceptable standing (see Section 16.3.10 Academic Performance and Section 31.003.1 Academic Performance Regulations).

Stage Requirements of the Honours Program

- To be eligible to register for courses in Stage II of the honours, students must satisfy the honours internal transfer requirements.
- To be eligible to register for courses in Stage III of the honours, students must: 1) have an assessment GPA of at least 3.30 for all program and elective courses, 2) have a cumulative GPA of at least 3.30 for all program and elective courses, and 3) have letter grades of C or above in all program and elective courses.

Stage Requirements of the KCEP Program

- To be eligible to register for courses in Stage II of the KCEP, students must satisfy the KCEP program internal transfer requirements.
- To be eligible to register for courses in Stage III of the KCEP, students must: 1) complete all courses in Stage II of the KCEP with a minimum cumulative GPA of 3.00, and 2) maintain a minimum cumulative GPA of 3.00 in all KCEP courses (Stages I and II).

Stage Requirements of the AT Program

- To be eligible to register for courses in Stage II of the AT, students must satisfy the AT program internal transfer requirements.
- To be eligible to register for courses in Stage III of the AT, students must: 1) complete all courses in Stage II of the AT with a minimum cumulative GPA of 3.00, and 2) maintain a minimum cumulative GPA of 3.00 in all AT program courses (Stages I and II).
- To be eligible to register for courses in Stage IV of the AT program, students must: 1) complete all courses in Stage III of the AT program with a minimum cumulative GPA of 3.00, and 2) maintain a minimum cumulative GPA of 3.00 in all AT program courses (Stages I, II, and III).

BSc Honours in Athletic Therapy

Program Requirements

Honours in Athletic Therapy (105 credits)

24 credits from Stage I: Honours in Athletic Therapy

27 credits from Stage II: Honours in Athletic Therapy

24 credits from Stage III: Honours in Athletic Therapy

30 credits from Stage IV: Honours in Athletic Therapy

Stage I: Honours in Athletic Therapy (24 credits)

24 credits:

- CATA 262 Emergency Care in Sport and Exercise (3.00)
- CATA 263 Principles of Athletic Therapy (3.00)
- EXCI 252 Introduction to Physical Activity, Health and Fitness (3.00)
- EXCI 253 Human Anatomy I: Musculoskeletal Anatomy (3.00)
- EXCI 254 Human Anatomy II: Systemic Anatomy (3.00)
- EXCI 258 Human Physiology I: Musculoskeletal, Neuromuscular, and Bioenergetic Systems from Rest to Exercise (3.00)
- EXCI 259 Human Physiology II: Cardiovascular and Respiratory Systems from Rest to Exercise (3.00)
- KCEP 210 Principles of Clinical Exercise Physiology (3.00)

Stage II: Honours in Athletic Therapy (27 credits)

27 credits:

- CATA 337 Assessment of the Upper and Lower Extremities (3.00)
- CATA 339 Rehabilitation of the Upper and Lower Extremities (3.00)
- CATA 348 Therapeutic Modalities in Sports Medicine (3.00)
- CATA 365 Athletic Therapy Field Internship I (6.00)
- EXCI 310 Research Methods (3.00)
- EXCI 351 Introduction to the Biomechanics of Human Movement (3.00)
- EXCI 352 Essentials of Exercise Testing and Training in Athletic Populations (3.00)
- EXCI 360 Neural and Hormonal Control of Human Systems (3.00)

Stage III: Honours in Athletic Therapy (24 credits)

21 credits:

- CATA 437 Assessment of the Hip, Spine and Pelvis (3.00)
- CATA 439 Rehabilitation of the Hip, Spine and Pelvis (3.00)
- CATA 462 Advanced Emergency Care (3.00)
- CATA 475 Athletic Therapy Clinical Internship I (6.00)
- EXCI 322 Statistics for Exercise Science (3.00)
- EXCI 460 Integrative Human Physiology (3.00)

3 credits chosen from:

- EXCI 415 Behaviour Change and Interventions (3.00)
- EXCI 420 Physical Activity Epidemiology (3.00)
- EXCI 440 Current Developments in the Biochemistry of Exercise (3.00)
- EXCI 451 Clinical Biomechanics (3.00)
- EXCI 453 Stress, Health and Disease (3.00)
- EXCI 461 Pharmacology for Sport and Exercise (3.00)
- KCEP 311 Pathophysiology in Clinical Exercise Science I (3.00)
- KCEP 411 Pathophysiology in Clinical Exercise Science II (3.00)
- PSYC 448 Clinical Advanced Issues (3.00)

Note: Students enrolling in PSYC 448 must have the topic preapproved by the HKAP advisor or Athletic Therapy director.

Stage IV: Honours in Athletic Therapy (30 credits)

27 credits:

- CATA 441 Concepts in Manual Therapy (3.00)
- CATA 447 Clinical Practice (3.00)
- CATA 485 Athletic Therapy Field Internship II (3.00)
- CATA 495 Athletic Therapy Clinical Internship II (3.00)
- EXCI 421 Honours Seminar: Current Topics in Health and Exercise Science (3.00)
- EXCI 426 Honours Thesis (6.00)
- EXCI 445 Nutrition in Exercise and Sport (3.00)
- EXCI 471 Pain Management Strategies (3.00)

3 credits chosen from:

- EXCI 455 Physical Activity, Health and Aging (3.00)
- EXCI 458 Pediatric Exercise Science (3.00)
- EXCI 461 Pharmacology for Sport and Exercise (3.00)

Notes

- Students interested in entering an honours program should consult the Chair of the Honours Committee. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

Athletic Therapy (BScAT)

Program Requirements

Athletic Therapy (BScAT) (99 credits)

24 credits from Stage I: Athletic Therapy (BScAT)

27 credits from Stage II: Athletic Therapy (BScAT)

24 credits from Stage III: Athletic Therapy (BScAT)

24 credits from Stage IV: Athletic Therapy (BScAT)

Stage I: Athletic Therapy (BScAT) (24 credits)

24 credits:

- CATA 262 Emergency Care in Sport and Exercise (3.00)
- CATA 263 Principles of Athletic Therapy (3.00)
- EXCI 252 Introduction to Physical Activity, Health and Fitness (3.00)
- EXCI 253 Human Anatomy I: Musculoskeletal Anatomy (3.00)
- EXCI 254 Human Anatomy II: Systemic Anatomy (3.00)
- EXCI 258 Human Physiology I: Musculoskeletal, Neuromuscular, and Bioenergetic Systems from Rest to Exercise (3.00)
- EXCI 259 Human Physiology II: Cardiovascular and Respiratory Systems from Rest to Exercise (3.00)
- KCEP 210 Principles of Clinical Exercise Physiology (3.00)

Stage II: Athletic Therapy (BScAT) (27 credits)

27 credits:

- CATA 337 Assessment of the Upper and Lower Extremities (3.00)
- CATA 339 Rehabilitation of the Upper and Lower Extremities (3.00)
- CATA 348 Therapeutic Modalities in Sports Medicine (3.00)
- CATA 365 Athletic Therapy Field Internship I (6.00)
- EXCI 310 Research Methods (3.00)
- EXCI 351 Introduction to the Biomechanics of Human Movement (3.00)
- EXCI 352 Essentials of Exercise Testing and Training in Athletic Populations (3.00)
- EXCI 360 Neural and Hormonal Control of Human Systems (3.00)

Stage III: Athletic Therapy (BScAT) (24 credits)

18 credits:

- CATA 437 Assessment of the Hip, Spine and Pelvis (3.00)
- CATA 439 Rehabilitation of the Hip, Spine and Pelvis (3.00)
- CATA 462 Advanced Emergency Care (3.00)
- CATA 475 Athletic Therapy Clinical Internship I (6.00)
- EXCI 460 Integrative Human Physiology (3.00)

6 credits chosen from:

- EXCI 415 Behaviour Change and Interventions (3.00)
- EXCI 420 Physical Activity Epidemiology (3.00)
- EXCI 440 Current Developments in the Biochemistry of Exercise (3.00)
- EXCI 451 Clinical Biomechanics (3.00)
- EXCI 453 Stress, Health and Disease (3.00)
- EXCI 461 Pharmacology for Sport and Exercise (3.00)
- KCEP 311 Pathophysiology in Clinical Exercise Science I (3.00)
- KCEP 411 Pathophysiology in Clinical Exercise Science II (3.00)
- PSYC 448 Clinical Advanced Issues (3.00)

Note: Students enrolling in PSYC 448 must have the topic preapproved by the HKAP advisor or Athletic Therapy director.

Stage IV: Athletic Therapy (BScAT) (24 credits)

18 credits:

- CATA 441 Concepts in Manual Therapy (3.00)
- CATA 447 Clinical Practice (3.00)
- CATA 485 Athletic Therapy Field Internship II (3.00)
- CATA 495 Athletic Therapy Clinical Internship II (3.00)
- EXCI 445 Nutrition in Exercise and Sport (3.00)
- EXCI 471 Pain Management Strategies (3.00)

6 credits chosen from:

- EXCI 455 Physical Activity, Health and Aging (3.00)
- EXCI 458 Pediatric Exercise Science (3.00)
- EXCI 461 Pharmacology for Sport and Exercise (3.00)

- EXCI 492 Independent Study in Exercise Science (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Honours in Exercise Science

Program Requirements

Honours in Exercise Science (60 credits)

24 credits from Stage I: Honours in Exercise Science

15 credits from Stage II: Honours in Exercise Science

21 credits from Stage III: Honours in Exercise Science

Stage I: Honours in Exercise Science (24 credits)

24 credits:

- CATA 262 Emergency Care in Sport and Exercise (3.00)
- CATA 263 Principles of Athletic Therapy (3.00)
- EXCI 252 Introduction to Physical Activity, Health and Fitness (3.00)
- EXCI 253 Human Anatomy I: Musculoskeletal Anatomy (3.00)
- EXCI 254 Human Anatomy II: Systemic Anatomy (3.00)
- EXCI 258 Human Physiology I: Musculoskeletal, Neuromuscular, and Bioenergetic Systems from Rest to Exercise (3.00)
- EXCI 259 Human Physiology II: Cardiovascular and Respiratory Systems from Rest to Exercise (3.00)
- KCEP 210 Principles of Clinical Exercise Physiology (3.00)

Stage II: Honours in Exercise Science (15 credits)

15 credits:

- EXCI 310 Research Methods (3.00)
- EXCI 322 Statistics for Exercise Science (3.00)
- EXCI 351 Introduction to the Biomechanics of Human Movement (3.00)
- EXCI 352 Essentials of Exercise Testing and Training in Athletic Populations (3.00)
- EXCI 360 Neural and Hormonal Control of Human Systems (3.00)

Stage III: Honours in Exercise Science (21 credits)

18 credits:

- EXCI 420 Physical Activity Epidemiology (3.00)

- EXCI 421 Honours Seminar: Current Topics in Health and Exercise Science (3.00)
- EXCI 426 Honours Thesis (6.00)
- EXCI 445 Nutrition in Exercise and Sport (3.00)
- EXCI 460 Integrative Human Physiology (3.00)

3 credits chosen from:

- EXCI 415 Behaviour Change and Interventions (3.00)
- EXCI 440 Current Developments in the Biochemistry of Exercise (3.00)
- EXCI 451 Clinical Biomechanics (3.00)
- EXCI 453 Stress, Health and Disease (3.00)
- EXCI 455 Physical Activity, Health and Aging (3.00)
- EXCI 458 Pediatric Exercise Science (3.00)
- EXCI 461 Pharmacology for Sport and Exercise (3.00)
- EXCI 471 Pain Management Strategies (3.00)

Notes

- Students interested in entering an honours program should consult the Department Honours Committee. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Major in Exercise Science

Program Requirements

Major in Exercise Science (45 credits)

24 credits from Stage I: Major in Exercise Science

12 credits from Stage II: Major in Exercise Science

9 credits from Stage III: Major in Exercise Science

Stage I: Major in Exercise Science (24 credits)

24 credits:

- CATA 262 Emergency Care in Sport and Exercise (3.00)
- CATA 263 Principles of Athletic Therapy (3.00)
- EXCI 252 Introduction to Physical Activity, Health and Fitness (3.00)
- EXCI 253 Human Anatomy I: Musculoskeletal Anatomy (3.00)
- EXCI 254 Human Anatomy II: Systemic Anatomy (3.00)
- EXCI 258 Human Physiology I: Musculoskeletal, Neuromuscular, and Bioenergetic Systems from Rest to Exercise (3.00)
- EXCI 259 Human Physiology II: Cardiovascular and Respiratory Systems from Rest to Exercise (3.00)
- KCEP 210 Principles of Clinical Exercise Physiology (3.00)

Stage II: Major in Exercise Science (12 credits)

12 credits:

- EXCI 310 Research Methods (3.00)
- EXCI 351 Introduction to the Biomechanics of Human Movement (3.00)
- EXCI 352 Essentials of Exercise Testing and Training in Athletic Populations (3.00)
- EXCI 360 Neural and Hormonal Control of Human Systems (3.00)

Stage III: Major in Exercise Science (9 credits)

6 credits:

- EXCI 445 Nutrition in Exercise and Sport (3.00)
- EXCI 460 Integrative Human Physiology (3.00)

3 credits chosen from:

- EXCI 415 Behaviour Change and Interventions (3.00)
- EXCI 420 Physical Activity Epidemiology (3.00)
- EXCI 440 Current Developments in the Biochemistry of Exercise (3.00)
- EXCI 451 Clinical Biomechanics (3.00)
- EXCI 453 Stress, Health and Disease (3.00)
- EXCI 455 Physical Activity, Health and Aging (3.00)
- EXCI 458 Pediatric Exercise Science (3.00)
- EXCI 461 Pharmacology for Sport and Exercise (3.00)
- EXCI 471 Pain Management Strategies (3.00)
- EXCI 492 Independent Study in Exercise Science (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Honours in Kinesiology and Clinical Exercise Physiology

Program Requirements

Honours in Kinesiology and Clinical Exercise Physiology (78 credits)

24 credits from Stage I: Honours in Kinesiology and Clinical Exercise Physiology

24 credits from Stage II: Honours in Kinesiology and Clinical Exercise Physiology

30 credits from Stage III: Honours in Kinesiology and Clinical Exercise Physiology

Stage I: Honours in Kinesiology and Clinical Exercise Physiology (24 credits)

24 credits:

- CATA 262 Emergency Care in Sport and Exercise (3.00)
- CATA 263 Principles of Athletic Therapy (3.00)
- EXCI 252 Introduction to Physical Activity, Health and Fitness (3.00)
- EXCI 253 Human Anatomy I: Musculoskeletal Anatomy (3.00)
- EXCI 254 Human Anatomy II: Systemic Anatomy (3.00)
- EXCI 258 Human Physiology I: Musculoskeletal, Neuromuscular, and Bioenergetic Systems from Rest to Exercise (3.00)
- EXCI 259 Human Physiology II: Cardiovascular and Respiratory Systems from Rest to Exercise (3.00)
- KCEP 210 Principles of Clinical Exercise Physiology (3.00)

Stage II: Honours in Kinesiology and Clinical Exercise Physiology (24 credits)

24 credits:

- EXCI 310 Research Methods (3.00)
- EXCI 322 Statistics for Exercise Science (3.00)
- EXCI 351 Introduction to the Biomechanics of Human Movement (3.00)
- EXCI 352 Essentials of Exercise Testing and Training in Athletic Populations (3.00)
- EXCI 360 Neural and Hormonal Control of Human Systems (3.00)
- KCEP 311 Pathophysiology in Clinical Exercise Science I (3.00)
- KCEP 349 Assessment, Interpretation, and Rehabilitation in Neuromuscular Physiology (3.00)
- KCEP 383 Kinesiology and Clinical Exercise Physiology Internship I (3.00)

Stage III: Honours in Kinesiology and Clinical Exercise Physiology (30 credits)

27 credits:

- EXCI 421 Honours Seminar: Current Topics in Health and Exercise Science (3.00)
- EXCI 426 Honours Thesis (6.00)
- EXCI 445 Nutrition in Exercise and Sport (3.00)
- EXCI 460 Integrative Human Physiology (3.00)
- KCEP 411 Pathophysiology in Clinical Exercise Science II (3.00)
- KCEP 448 Cardiopulmonary Exercise Assessment and Interpretation in Chronic Disease Populations (3.00)
- KCEP 450 Exercise Prescription for Rehabilitation in Chronic Disease Populations (3.00)
- KCEP 483 Kinesiology and Clinical Exercise Physiology Internship II (3.00)

3 credits chosen from:

- EXCI 415 Behaviour Change and Interventions (3.00)
- EXCI 420 Physical Activity Epidemiology (3.00)
- EXCI 440 Current Developments in the Biochemistry of Exercise (3.00)
- EXCI 451 Clinical Biomechanics (3.00)
- EXCI 453 Stress, Health and Disease (3.00)
- EXCI 455 Physical Activity, Health and Aging (3.00)
- EXCI 458 Pediatric Exercise Science (3.00)
- EXCI 461 Pharmacology for Sport and Exercise (3.00)
- EXCI 471 Pain Management Strategies (3.00)

Notes

- Students interested in entering an honours program should consult the Chair of the Honours Committee. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Kinesiology and Clinical Exercise Physiology

Program Requirements

Kinesiology and Clinical Exercise Physiology (69 credits)

24 credits from Stage I: Kinesiology and Clinical Exercise Physiology

21 credits from Stage II: Kinesiology and Clinical Exercise Physiology

24 credits from Stage III: Kinesiology and Clinical Exercise Physiology

Stage I: Kinesiology and Clinical Exercise Physiology (24 credits)

24 credits:

- CATA 262 Emergency Care in Sport and Exercise (3.00)
- CATA 263 Principles of Athletic Therapy (3.00)
- EXCI 252 Introduction to Physical Activity, Health and Fitness (3.00)
- EXCI 253 Human Anatomy I: Musculoskeletal Anatomy (3.00)
- EXCI 254 Human Anatomy II: Systemic Anatomy (3.00)
- EXCI 258 Human Physiology I: Musculoskeletal, Neuromuscular, and Bioenergetic Systems from Rest to Exercise (3.00)
- EXCI 259 Human Physiology II: Cardiovascular and Respiratory Systems from Rest to Exercise (3.00)
- KCEP 210 Principles of Clinical Exercise Physiology (3.00)

Stage II: Kinesiology and Clinical Exercise Physiology (21 credits)

21 credits:

- EXCI 310 Research Methods (3.00)
- EXCI 351 Introduction to the Biomechanics of Human Movement (3.00)
- EXCI 352 Essentials of Exercise Testing and Training in Athletic Populations (3.00)
- EXCI 360 Neural and Hormonal Control of Human Systems (3.00)
- KCEP 311 Pathophysiology in Clinical Exercise Science I (3.00)
- KCEP 349 Assessment, Interpretation, and Rehabilitation in Neuromuscular Physiology (3.00)
- KCEP 383 Kinesiology and Clinical Exercise Physiology Internship I (3.00)

Stage III: Kinesiology and Clinical Exercise Physiology (24 credits)

18 credits:

- EXCI 445 Nutrition in Exercise and Sport (3.00)
- EXCI 460 Integrative Human Physiology (3.00)
- KCEP 411 Pathophysiology in Clinical Exercise Science II (3.00)
- KCEP 448 Cardiopulmonary Exercise Assessment and Interpretation in Chronic Disease Populations (3.00)
- KCEP 450 Exercise Prescription for Rehabilitation in Chronic Disease Populations (3.00)
- KCEP 483 Kinesiology and Clinical Exercise Physiology Internship II (3.00)

6 credits chosen from:

- EXCI 415 Behaviour Change and Interventions (3.00)
- EXCI 420 Physical Activity Epidemiology (3.00)
- EXCI 440 Current Developments in the Biochemistry of Exercise (3.00)
- EXCI 451 Clinical Biomechanics (3.00)
- EXCI 453 Stress, Health and Disease (3.00)
- EXCI 455 Physical Activity, Health and Aging (3.00)
- EXCI 458 Pediatric Exercise Science (3.00)
- EXCI 461 Pharmacology for Sport and Exercise (3.00)
- EXCI 471 Pain Management Strategies (3.00)
- EXCI 492 Independent Study in Exercise Science (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

Department of Health, Kinesiology, and Applied Physiology Courses

Quick Links

CATA Courses

EXCI Courses

KCEP Courses

CATA Courses

CATA 262 Emergency Care in Sport and Exercise (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: EXCI 253. Enrolment in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course identifies common emergency situations in the athletic environment, and provides theoretical and practical components of management skills to safely deal with these situations. Specific signs and symptoms of basic emergency conditions are discussed. Planning of events to prepare for sport-related emergencies and administration of initial emergency techniques are included.

Component(s):

"Lecture"; "Laboratory"

CATA 263 Principles of Athletic Therapy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EXCI 253. Enrolment in a Health, Kinesiology, and Applied Physiology program is required.

Description:

The course considers topics in athletic therapy from professional, preventive, and pathological perspectives. The course deals with injury classification, clinical flexibility, strength testing, cryotherapy, and sports dermatology. Preventive techniques such as pre-season physical examinations, protective equipment, hazard recognition, and taping techniques are also addressed. Acute and chronic pathologies associated with physical activity, as well as issues including sudden death and communicable diseases in athletics, and the adolescent athlete are discussed.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for EXCI 263 or EXCI 335 may not take this course for credit.

CATA 337 Assessment of the Upper and Lower Extremities (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy is required.

Description:

This course examines normal function of the upper and lower extremities of the human body. Abnormal function and various pathologies of these structures are addressed in depth. Making use of principles based on applied anatomy and physiology, students learn about clinical assessment procedures and implementation of evaluation methods addressing orthopaedic dysfunction. Types of surgical procedures are discussed.

Component(s):

"Lecture"; "Laboratory"

Notes:

- A minimum grade of C- in both lecture and laboratory sections is required to successfully complete this course. Prior to enrolling in CATA 475, students must achieve a minimum grade of B in two of the following courses: CATA 337, CATA 339, CATA 348.
- Students who have received credit for CATA 338 may not take this course for credit.

CATA 339 Rehabilitation of the Upper and Lower Extremities (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: CATA 337. Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy is required

Description:

This course examines concepts in the rehabilitation process including tissue healing, and introduces students to various exercise protocols and manual techniques specific to the upper and lower extremities. Students learn how to implement safe and effective rehabilitation protocols to address orthopaedic dysfunction of these areas. Patient education to facilitate rehabilitation, documentation treatment plans and treatment outcomes are addressed.

Component(s):

"Lecture"; "Laboratory"

Notes:

- A minimum grade of C- in both lecture and laboratory sections is required to successfully complete this course. Prior to enrolling in CATA 475, students must achieve a minimum grade of B in two of the following courses: CATA 337, CATA 339, CATA 348.
- Students who have received credit for CATA 338 may not take this course for credit.

CATA 348 Therapeutic Modalities in Sports Medicine (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CATA 337, CATA 339. Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy is required.

Description:

Students are introduced to the parameters of therapeutic modalities and their physiological effects. Various modalities such as heat, cold, ultrasound, muscle stimulation, interferential current and Transcutaneous Electrical Nerve Stimulation (T.E.N.S.) are examined. For each modality, topics include instrumentation, set-up, and practical application. Basic concepts of manual treatment approaches, such as mobilizations, myofascial release, traction, and massage, are introduced. Indications and contraindications and precautions for all treatments are presented.

Component(s):

"Lecture"; "Laboratory"

Notes:

- A minimum grade of C- in both lecture and laboratory sections is required to successfully complete this course. Prior to enrolling in CATA 475, students must achieve a minimum grade of B in two of the following courses: CATA 337, CATA 339, CATA 348.
- Students who have received credit for EXCI 348 or 448 may not take this course for credit.

CATA 365 Athletic Therapy Field Internship I (6 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy is required. Permission of the Department is required.

Description:

This course offers students the opportunity to work in an emergency or preventive setting with a sports team, although some clinical component may be introduced. Students must be certification candidates of the Canadian Athletic Therapists Association (CATA) and the Corporation des thérapeutes du sport du Québec (CTSQ). This course involves a commitment of 400 hours over two terms. Weekly seminars with agency supervisors are mandatory.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for CATA 390 may not take this course for credit.

CATA 437 Assessment of the Hip, Spine and Pelvis (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy; and successful completion of Stage II in the BSc in Athletic Therapy or BSc Honours in Athletic Therapy is required.

Description:

This course examines normal function of the hip, spine, and pelvis of the human body. Abnormal function and various pathologies of these structures are addressed in depth. Making use of principles based on applied anatomy and physiology, students learn about clinical assessment procedures and implementation of evaluation methods addressing orthopaedic dysfunction. Surgical procedures are discussed.

Component(s):

"Lecture"; "Laboratory"

Notes:

- A minimum grade of C- in both lecture and laboratory sections is required to successfully complete this course. Prior to enrolling in CATA 495, students must achieve a minimum grade of B in CATA 437 and CATA 439.
- Students who have received credit for CATA 438 may not take this course for credit.

CATA 439 Rehabilitation of the Hip, Spine and Pelvis (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: CATA 437. Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy; and successful completion of Stage II in the BSc in Athletic Therapy or BSc Honours in Athletic Therapy is required.

Description:

This course examines concepts in rehabilitation, introducing the students to various exercise protocols and manual techniques specific to hip, spine, and pelvis. Students learn how to implement advanced, safe, and effective rehabilitation protocols to address orthopaedic dysfunction of these areas.

Component(s):

"Lecture"; "Laboratory"

Notes:

- A minimum grade of C- in both lecture and laboratory sections is required to successfully complete this course. Prior to enrolling in CATA 495, students must achieve a minimum grade of B in CATA 437 and CATA 439.
- Students who have received credit for CATA 438 may not take this course for credit.

CATA 441 Concepts in Manual Therapy (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy; and successful completion of Stage III in the BSc in Athletic Therapy or BSc Honours in Athletic Therapy is required.

Description:

This course provides students with an understanding of the fundamental theory and practical basis for using various manual therapy techniques to keep athletes competition-ready, to help in their recovery from injury, and to improve their performance. The course explains various techniques in detail and describes the procedures involved in conducting effective treatment sessions. Muscle Energy, Active Release, Myofascial Release, and Sports Massage are some of the techniques discussed, demonstrated, and practised. Determining goals and organization of a treatment session, and the

choice and application of techniques are also discussed. The goal of the course is to help athletic therapists determine the most appropriate manual therapy techniques for a variety of orthopaedic pathologies.

Component(s):

"Lecture"; "Laboratory"

Notes:

- A minimum grade of C- in both lecture and laboratory sections is required to successfully complete this course.

CATA 447 Clinical Practice (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy; and successful completion of Stage II in the BSc in Athletic Therapy or BSc Honours in Athletic Therapy is required.

Description:

This course focuses on recent research outcomes and new issues in athletic therapy specific to prevention, assessment, and rehabilitation of athletic injuries. The course content varies within the domains of the Canadian Athletic Therapists Association depending upon the most current issues such as surgical techniques, new medications, advanced assessment and modality techniques, and issues related to professional development and the workplace environment. Information is presented from a variety of courses and disciplines to enhance the knowledge base received from core Athletic Therapy courses.

Component(s):

"Lecture"

Notes:

- A minimum grade of C- is required to successfully complete this course.

CATA 462 Advanced Emergency Care (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy; and successful completion of Stage II in the BSc in Athletic Therapy or BSc Honours in Athletic Therapy is required.

Description:

This course completes the preparation of Athletic Therapy students in the area of emergency care of sports-related injury. It identifies the less common and more complicated emergency situations experienced in the athletic therapy setting. Advanced theoretical and practical components are presented. This course develops the ability of the student to care for the athlete beyond the initial stages of emergency management and towards advanced life support.

Component(s):

"Lecture"; "Laboratory"

Notes:

- A minimum grade of C- in both lecture and laboratory sections is required to successfully complete this course. Prior to enrolling in CATA 485, students must achieve a minimum grade of B in CATA 462.

CATA 475 Athletic Therapy Clinical Internship I (6 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy; and successful completion of Stage II in the BSc in Athletic Therapy or BSc Honours in Athletic Therapy is required. Students must be certification candidates of the Canadian Athletic Therapists Association and the Corporation des thérapeutes du sport du Québec.

Description:

Students must be certification candidates of the Canadian Athletic Therapists Association and the Corporation des thérapeutes du sport du Québec. The course offers a minimum 400-hour supervised work opportunity. Under the supervision of a Certified Athletic Therapist, students are shown basic administrative skills as seen in private rehabilitation clinics or within the Department of Health, Kinesiology, and Applied Physiology.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Prior to enrolling in this course, students must achieve a minimum grade of B in two of the following courses: CATA 337, CATA 339, CATA 348.
- Students who have received credit for CATA 480 may not take this course for credit.

CATA 485 Athletic Therapy Field Internship II (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy; and successful completion of Stage III in the BSc in Athletic Therapy or BSc Honours in Athletic Therapy is required.

Description:

This course offers students the opportunity to work in an emergency or preventive setting with a sports team, although some clinical component may be introduced. Students must be certification candidates of the Canadian Athletic Therapists Association (CATA) and the Corporation des thérapeutes du sport du Québec (CTSQ). This course involves a minimum commitment of 200 hours over one or two terms. Weekly seminars with agency supervisors are mandatory.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Prior to enrolling in this course, students must achieve a minimum grade of B in CATA 462.
- Students who have received credit for CATA 390 may not take this course for credit.

CATA 495 Athletic Therapy Clinical Internship II (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Athletic Therapy (BScAT) or BSc Honours in Athletic Therapy; and successful completion of Stage III in the BSc in Athletic Therapy or BSc Honours in Athletic Therapy is required.

Description:

The course offers a supervised period of work in a rehabilitation or athletic therapy clinic, for a minimum of 200 hours including a weekly seminar.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Prior to enrolling in this course, students must achieve a minimum grade of B in CATA 437 and CATA 439.
- Students who have received credit for CATA 480 may not take this course for credit.

EXCI Courses

EXCI 202 The Body Human: Form and Function (3 credits)

Description:

This course provides insight into the manner in which common injuries and diseases impact on the anatomical structures and functional systems of the body. The various medical treatments and procedures available to maintain or restore the structural and functional integrity of the body are also addressed. Conditions of a cardiovascular, pulmonary, neuromuscular, metabolic and oncologic nature are discussed.

Component(s):

"Lecture"

Notes:

- Health, Kinesiology, and Applied Physiology students may not take this course for credit.
- Students who have received credit for this topic under an EXCI 298 number may not take this course for credit.

EXCI 204 Food for Sport (3 credits)

Description:

The course introduces students to a basic understanding of how the digestive system functions, and then examines the role of diet on sport performance. Students learn about the impact of the major food stuffs (carbohydrates, fats, proteins, vitamins, minerals, water) on performance outcomes. The use of ergogenic aids commonly used to enhance sport performance are also discussed with respect to their effectiveness. Caloric balance, diet and body composition are also discussed relevant to specific sport requirements.

Component(s):

"Lecture"

Notes:

- Health, Kinesiology, and Applied Physiology students may not take this course for credit.
- Students who have received credit for this topic under an EXCI 298 number may not take this course for credit.

EXCI 206 The Science of Sport (3 credits)

Description:

The course introduces basic and practical knowledge of human movement in sports and physical activity. Anatomical and physiological knowledge pertinent to body movement is presented in simple and meaningful terms. Biomechanical concepts and principles applied to body movement in different sports and physical activities are also addressed. Consideration is also given to nutritional aspects and injury prevention in sport and exercise.

Component(s):

"Lecture"

Notes:

- Health, Kinesiology, and Applied Physiology students may not take this course for credit.
- Students who have received credit for this topic under an EXCI 298 number may not take this course for credit.

EXCI 218 Physical Growth and Maturation (3 credits)

Description:

This course considers normal and abnormal growth and maturation patterns of the musculoskeletal, neural, hormonal, cardiovascular, and respiratory systems of the body. In addition, socialization and psychosocial development processes with relevance to an exercise or sports environment are examined. These patterns and processes are investigated from childhood through adolescence and adulthood.

Component(s):

"Lecture"

Notes:

- Health, Kinesiology, and Applied Physiology students may not take this course for credit.

EXCI 233 Current Issues in Personal and Community Health (3 credits)

Description:

This course presents an overview of factors influencing personal and community health. Students are exposed to prevalent physical and mental health issues from biological, psychological, and sociological points of view. Health-related consequences of alcohol abuse, drugs, birth control, sedentary lifestyle, eating disorders, and communicable diseases are among the topics considered.

Component(s):

"Lecture"

Notes:

- Health, Kinesiology, and Applied Physiology students may not take this course for credit.

EXCI 251 Fundamentals of Health and Physical Activity (3 credits)

Description:

The basic and contemporary issues of health and physical activity are discussed. General topics regarding the benefits of physical activity are examined from anatomical and physiological perspectives. Upon completion, students are able to apply the principles of fitness and wellness to their own lives, to assess their current level of fitness and wellness, to create plans for changing their lifestyle to reach wellness, and to monitor their progress using the health-related components of physical fitness: body composition, cardiovascular endurance, muscular strength and endurance, and flexibility.

Component(s):

"Lecture"

Notes:

- Health, Kinesiology, and Applied Physiology students may not take this course for credit.

EXCI 252 Introduction to Physical Activity, Health and Fitness (3 credits)

Prerequisite/Corequisite:

Enrolment in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course focuses on the fundamentals of fitness assessment and the design of individualized exercise programs compatible with the responsibilities of a health/fitness instructor. Topics of study include screening clients for fitness testing and physical activity participation; the selection of appropriate tests to assess the health-related components of physical fitness such as body composition, cardiovascular endurance, muscular strength, local muscular endurance, and flexibility; interpretation of test results; and the application of exercise principles in the design of safe and effective individualized exercise prescriptions of the apparently healthy client.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for EXCI 261 and EXCI 342 may not take this course for credit.

EXCI 253 Human Anatomy I: Musculoskeletal Anatomy (3 credits)

Prerequisite/Corequisite:

Enrolment in a Health, Kinesiology, and Applied Physiology program is required.

Description:

The major focus of this course covers the anatomy of the musculoskeletal system and accompanying (peripheral) circulatory and neurological systems. It also addresses introductory terminology and tissue differentiation. The structures are examined through approaches of surface anatomy, current and traditional media and/or cadaver examination.

Component(s):

"Lecture"; "Laboratory"

EXCI 254 Human Anatomy II: Systemic Anatomy (3 credits)

Prerequisite/Corequisite:

Enrolment in a Health, Kinesiology, and Applied Physiology program is required.

Description:

The major focus of this course covers the anatomy of the central circulatory and central respiratory systems. It also addresses the anatomy of the brain and spinal column as well as the integumentary, digestive, and urogenital systems. The structures are examined through approaches of surface anatomy, current and traditional media and cadaver examination.

Component(s):

"Lecture"; "Laboratory"

EXCI 258 Human Physiology I: Musculoskeletal, Neuromuscular, and Bioenergetic Systems from Rest to Exercise (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: EXCI 253. Enrolment in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course reviews the functional organization of the musculoskeletal system, the peripheral neural influence to the muscular system, and the basic metabolic pathways underlying the bioenergetics of these systems. Related physiological adaptations during rest and exercise are discussed.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for EXCI 257 or EXCI 358 may not take this course for credit.

EXCI 259 Human Physiology II: Cardiovascular and Respiratory Systems from Rest to Exercise (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: EXCI 254. Enrolment in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course focuses on the fundamental mechanisms of the cardiovascular and respiratory systems. In addition, adaptations of these systems to acute and chronic exercise as well as environmental factors are discussed.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for EXCI 357 or EXCI 358 may not take this course for credit.

EXCI 298 Selected Topics in Exercise Science (3 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

EXCI 299 Selected Topics in Exercise Science (6 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

EXCI 310 Research Methods (3 credits)

Prerequisite/Corequisite:

Successful completion of Stage I in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course provides students with a general overview of investigative research and the nature of scientific inquiry. Students receive instruction in critical inquiry and appraisal, research design, research ethics, and the role research plays in the development of professional practice/ skills. Finally, this course provides the necessary knowledge and practical experience to enable students to plan and run an experimental project, including an understanding of the process of data collection, analysis, interpretation, and presentation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EXCI 250 may not take this course for credit.

EXCI 322 Statistics for Exercise Science (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: EXCI 310. Enrolment in a Health, Kinesiology, and Applied Physiology honours program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course builds on students' experience derived from EXCI 310 to advance their knowledge of the research process by providing details of statistical techniques and methods that are common in exercise science.

Component(s):

"Lecture"

EXCI 351 Introduction to the Biomechanics of Human Movement (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 204, PHYS 224 or equivalent. Successful completion of Stage I in a Health, Kinesiology, and Applied Physiology program is required.

Description:

The primary focus of this course concentrates on the mechanical principles of human movement. Fundamental principles of kinematics and kinetics are examined in a theoretical and practical context.

Component(s):

"Lecture"; "Laboratory"

EXCI 352 Essentials of Exercise Testing and Training in Athletic Populations (3 credits)

Prerequisite/Corequisite:

Successful completion of Stage I in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course utilizes the students' background knowledge of anatomy, physiology, biomechanics, exercise physiology, and exercise programming to design pre-season, in-season, and post-season conditioning programs for elite athletes in a variety of sports. Most importantly, this course focuses on the importance of applying scientific principles of training in the design of exercise programs for elite athletes. The importance of skill-related (i.e. speed, agility, and power) and health-related components (i.e. cardio-respiratory endurance, and muscle strength) of physical fitness relative to performance is emphasized in this course. Some of the topics covered include ergogenic aids, regulation of skeletal muscle mass, periodization, aerobic endurance and resistance exercise training, and plyometrics.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for EXCI 452 may not take this course for credit.

EXCI 360 Neural and Hormonal Control of Human Systems (3 credits)

Prerequisite/Corequisite:

Successful completion of Stage I in a Health, Kinesiology, and Applied Physiology program is required.

Description:

Basic principles of the neural control of human movement, including reference to the sensory systems (visual, auditory, vestibular, proprioceptive and kinesthetic) are discussed. Topics of hormonal influences affecting musculoskeletal, cardiovascular, respiratory systems and metabolism are included.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EXCI 355 may not take this course for credit.

EXCI 398 Selected Topics in Exercise Science (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

EXCI 399 Selected Topics in Exercise Science (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

EXCI 415 Behaviour Change and Interventions (3 credits)

Prerequisite/Corequisite:

Enrolment in a Health, Kinesiology, and Applied Physiology program; and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program is required.

Description:

Building on a theoretical background, this course includes practical aspects of health behaviour change in individuals. Using physical activity and eating habits as the main behaviours of interest, the topics discussed include understanding and assessing motivation, readiness to change, assessment of behaviours, barriers to change, changing multiple behaviours, adherence and compliance, and motivational communication. Students develop skills and knowledge to aid others in changing adverse behaviours.

Component(s):

"Lecture"

EXCI 420 Physical Activity Epidemiology (3 credits)

Prerequisite/Corequisite:

Enrolment in a Health, Kinesiology, and Applied Physiology program; and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program.

Description:

This course surveys the health-related aspects of exercise, physical activity, and physical fitness from the perspective of epidemiology. Topics include an introduction to the epidemiological process, the relationship between physical activity and disease (e.g. cardiovascular disease, obesity, cancer, mental illness), the biological mechanisms for healthy adaptations to physical activity, the behavioural determinants of physical activity, and public policy implications of the current literature.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an EXCI 498 number may not take this course for credit.

EXCI 421 Honours Seminar: Current Topics in Health and Exercise Science (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EXCI 322. Enrolment in a Health, Kinesiology, and Applied Physiology honours program; and successful completion of Stage II in an honours program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

Using a combination of guest speakers and student presentations, this seminar is geared to critically examining current issues and methods in health and exercise science. Its emphasis is on theoretical and/or methodological issues as they relate to selected topics from these areas. Examples of topics include ethical issues and new emerging theories in health and exercise science, and utility of a particular research technique or methodology.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EXCI 424 or EXCI 425 may not take this course for credit.

EXCI 426 Honours Thesis (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: EXCI 421. Enrolment in a Health, Kinesiology, and Applied Physiology honours program; and successful completion of Stage II in an honours program is required.

Description:

This course requires the student to propose and conduct a study and submit a thesis according to a recognized and approved scientific journal format. The work is supervised by a thesis chair selected by the student from within the Department.

Component(s):

"Seminar"

EXCI 440 Current Developments in the Biochemistry of Exercise (3 credits)

Prerequisite/Corequisite:

Enrolment in a Health, Kinesiology, and Applied Physiology program; and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course offers an in-depth examination of the current topics and literature in biochemistry, cellular and molecular biology, and physiology as they relate to the adaptations associated with physical activity, exercise training, or disease. The course is designed to integrate knowledge from the disciplines of Exercise Science, Biochemistry, and Biology, to facilitate the synthesis and evaluation of new ideas, and to promote the effective oral and written communication of these ideas.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an EXCI 498 number may not take this course for credit.

EXCI 445 Nutrition in Exercise and Sport (3 credits)

Prerequisite/Corequisite:

Enrolment in a Health, Kinesiology, and Applied Physiology program; and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course provides an overview of the anatomy and in-depth study of the physiology of the digestive system prior to examining the significance of carbohydrates, lipids, and proteins as essential nutritional requirements for physical activity and optimal performance. The importance of trace minerals and vitamins is also discussed. Specific issues such as the use of nutritional beverages, ergogenic aids, eating disorders, and nutritional concerns of athletes are some of the topics presented.

Component(s):

"Lecture"

EXCI 451 Clinical Biomechanics (3 credits)

Prerequisite/Corequisite:

Enrolment in and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course is organized into three main themes: gait/balance, forces/moments at the joints, and material properties/injuries. The notions discussed in the course range from biological material stiffness, yield point, and hysteresis in ligaments and tendons, to the clinical assessment of gait patterns in special populations or after injury.

Component(s):

"Lecture"; "Laboratory"

EXCI 453 Stress, Health and Disease (3 credits)

Prerequisite/Corequisite:

Enrolment in a Health, Kinesiology, and Applied Physiology program; and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course is an introduction to the role stress plays in health and disease. Topics dealt with in this seminar-based course include defining and measuring stress, the relationship between stress and disease (e.g. cardiovascular disease, asthma, cancer, infectious illness), the pathophysiology of stress, and current issues and controversies in behavioural medicine.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EXCI 320 or for this topic under an EXCI 398 number may not take this course for credit.

EXCI 455 Physical Activity, Health and Aging (3 credits)

Prerequisite/Corequisite:

Enrolment in and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course addresses the health status, physical fitness, exercise patterns, and effectiveness of exercise prescription for the well elderly and those exhibiting symptoms of chronic diseases which commonly accompany the aging process.

Component(s):

"Lecture"

EXCI 458 Pediatric Exercise Science (3 credits)

Prerequisite/Corequisite:

Enrolment in and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course introduces students to the anatomical, physiological, and psychosocial issues related to exercise and physical activity in children. Topics include influence on growth and health, injury potential, endurance exercise, weight training, youth in sport, competitive and collaborative play, stress in childhood, and the strategies for improving exercise habits of children.

Component(s):

"Lecture"

EXCI 460 Integrative Human Physiology (3 credits)

Prerequisite/Corequisite:

Enrolment in and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course uses physiological homeostasis and the function of major organ systems as its basis. Students learn how the different systems act in an integrative fashion and how the body adjusts to various challenges to the maintenance of homeostasis. The focus is on five specific organ systems — the neural, muscular, cardiovascular, respiratory and renal systems. Students learn how these systems interactively function during health, exercise and disease.

Component(s):

"Lecture"; "Laboratory"

EXCI 461 Pharmacology for Sport and Exercise (3 credits)

Prerequisite/Corequisite:

Enrolment in a Health, Kinesiology, and Applied Physiology program; and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course provides the latest information on over-the-counter and prescription medications commonly used in sport. It offers a sound review of pharmacology and pharmacokinetic principles and explores the latest practice implications for certified athletic therapists and exercise specialists. The course includes indications, contraindications, and side effects of common therapeutic medications used in sport. Class discussions also cover natural products and the effects of their interactions with prescription and non-prescription pharmaceuticals.

Component(s):

"Lecture"

EXCI 471 Pain Management Strategies (3 credits)

Prerequisite/Corequisite:

Enrolment in and successful completion of Stage II in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course relates theory and research to the practical experiences of client/athletic-practitioner interactions, relationships, and interventions. It addresses pain management principles as they relate to illness, injury, and rehabilitation.

Component(s):

"Lecture"

EXCI 492 Independent Study in Exercise Science (3 credits)

Prerequisite/Corequisite:

Enrolment in and successful completion of Stage II in the BSc Major in Exercise Science, the BSc in Kinesiology and Clinical Exercise Physiology or the BSc in Athletic Therapy is required.

Description:

This course provides an opportunity to conduct a small-scale scientific research project under the supervision of a faculty member from the Department. In consultation with a faculty member, the student selects a topic, formulates a research methodology, collects data, analyzes the results, and writes a formal research report.

Component(s):

"Independent Study"

Notes:

- Students who have received credit for EXCI 491 may not take this course for credit.

EXCI 498 Advanced Topics in Exercise Science (3 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

EXCI 499 Advanced Topics in Exercise Science (6 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

KCEP Courses

KCEP 210 Principles of Clinical Exercise Physiology (3 credits)

Prerequisite/Corequisite:

Enrolment in a Health, Kinesiology, and Applied Physiology program is required.

Description:

This course considers topics in kinesiology and clinical exercise physiology from historical, professional, and applied perspectives. Introduction of exercise training principles and movement activity as the basis for patient rehabilitation and recovery programs in chronic diseases are discussed. The course deals with disease classification, basic intervention concepts, and preventive approaches. Ten observation hours are required for students who wish to transfer to the BSc in Kinesiology and Clinical Exercise Physiology program.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for EXCI 210 may not take this course for credit.

KCEP 311 Pathophysiology in Clinical Exercise Science I (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Kinesiology and Clinical Exercise Physiology, BSc in Kinesiology and Clinical Exercise Physiology Honours, BSc in Athletic Therapy or BSc Honours in Athletic Therapy; successful completion of Stage I in the BSc in Kinesiology and Clinical Exercise Physiology or BSc Honours in Kinesiology and Clinical Exercise Physiology, or of Stage III in the BSc in Athletic Therapy or BSc Honours in Athletic Therapy is required.

Description:

This course reviews pathophysiology, medical intervention techniques, and medication profiles of the most common neuromuscular and orthopaedic diseases and disabilities.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EXCI 423 may not take this course for credit.

KCEP 349 Assessment, Interpretation, and Rehabilitation in Neuromuscular Physiology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: KCEP 311. Enrolment in the BSc in Kinesiology and Clinical Exercise Physiology or BSc Honours in Kinesiology and Clinical Exercise Physiology is required.

Description:

This course focuses on the assessment and rehabilitation of neurological, neuromuscular, and musculoskeletal fitness in the clinical setting. Measurement and interpretation of normal and abnormal responses for individuals with common neurological, neuromuscular and musculoskeletal diseases and disabilities are discussed and performed.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for EXCI 380 may not take this course for credit.

KCEP 383 Kinesiology and Clinical Exercise Physiology Internship I (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Kinesiology and Clinical Exercise Physiology or BSc Honours in Kinesiology and Clinical Exercise Physiology is required.

Description:

This course provides students the opportunity to observe and participate in physical activity programming offered for special populations (i.e. persons with neurological and physical impairments) in a supervised setting. This course involves a commitment of at least 200 hours including a weekly seminar.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for EXCI 383 may not take this course for credit.

KCEP 411 Pathophysiology in Clinical Exercise Science II (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Kinesiology and Clinical Exercise Physiology, BSc Honours in Kinesiology and Clinical Exercise Physiology, BSc in Athletic Therapy, or BSc Honours in Athletic Therapy; successful completion of Stage II in the BSc in Kinesiology and Clinical Exercise Physiology, BSc Honours in Kinesiology and Clinical Exercise Physiology, BSc in Athletic Therapy, or BSc Honours in Athletic Therapy is required.

Description:

This course reviews pathophysiology, medical intervention techniques, and medication profiles of the most common cardiovascular, respiratory, oncologic and metabolic diseases.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EXCI 422 may not take this course for credit.

KCEP 448 Cardiopulmonary Exercise Assessment and Interpretation in Chronic Disease Populations (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Kinesiology and Clinical Exercise Physiology or BSc Honours in Kinesiology and Clinical Exercise Physiology is required. Successful completion of Stage II: Kinesiology and Clinical Exercise Physiology or Stage II: Honours in Kinesiology and Clinical Exercise Physiology is required.

Description:

This course focuses on the assessment of cardiorespiratory fitness in a clinical setting. Measurement and interpretation of normal and abnormal responses for individuals with the most common cardiovascular, respiratory, oncologic, and metabolic diseases are performed and discussed.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for EXCI 450 or KCEP 449 may not take this course for credit.

KCEP 450 Exercise Prescription for Rehabilitation in Chronic Disease Populations (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: KCEP 448. Enrolment in the BSc in Kinesiology and Clinical Exercise Physiology or BSc Honours in Kinesiology and Clinical Exercise Physiology is required. Successful completion of Stage II in the BSc in Kinesiology and Clinical Exercise Physiology or BSc Honours in Kinesiology and Clinical Exercise Physiology is required.

Description:

This course focuses on exercise prescription and programming for individuals with the most common cardiovascular, respiratory, oncologic, and metabolic diseases. Students learn how to design and implement advanced, safe, and effective exercise training programs for the rehabilitation of these patient populations.

Component(s):

"Lecture"

Notes:

- Students who have received credit for EXCI 450 or KCEP 449 may not take this course for credit.

KCEP 483 Kinesiology and Clinical Exercise Physiology Internship II (3 credits)

Prerequisite/Corequisite:

Enrolment in the BSc in Kinesiology and Clinical Exercise Physiology or BSc Honours in Kinesiology and Clinical Exercise Physiology; successful completion of Stage II in the BSc in Kinesiology and Clinical Exercise Physiology or BSc Honours in Kinesiology and Clinical Exercise Physiology is required.

Description:

The course offers a supervised period of work as activity leader/exercise specialist in a hospital or rehabilitation centre assisting in performing physiological evaluations, designing exercise programs, and animating physical activities. The course involves a commitment of at least 200 hours including a weekly seminar.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for EXCI 483 may not take this course for credit.

Section 31.130 Department of Geography, Planning and Environment

Department of Geography, Planning and Environment

Geography, Planning and Environment Programs

- Geography, Planning and Environment Program Notes

Environmental Geography

- BSc Major in Environmental Geography
- Minor in Environmental Geography

Environmental and Sustainability Science

- BSc Honours in Environmental and Sustainability Science
- BSc Specialization in Environmental and Sustainability Science
- Environmental and Sustainability Science Core

Geospatial Technologies

- Minor in Geospatial Technologies
- Certificate in Geospatial Technologies

Human Environment

- BA Honours in the Human Environment
- BA Specialization in the Human Environment
- BA Major in the Human Environment
- Minor in the Human Environment
- Human Environment Course Groups

- Geography/Geology Course List

Urban Planning and Urban Studies Programs

- Urban Planning and Urban Studies Program Notes

Urban Planning

- BA Honours in Urban Planning
- BA Specialization in Urban Planning

Urban Studies

- BA Major in Urban Studies
- Minor in Urban Studies

Department of Geography, Planning and Environment Courses

Department of Geography, Planning and Environment

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/geography-planning-environment.html

Department Objectives

The Department of Geography, Planning and Environment focuses on the processes and practices of human intervention in the natural, cultural, and built environment. Human interventions are examined as cultural and political processes across the spectrum of biophysical settings and human settlements. The Department's aim is to provide a systematic understanding of biogeophysical environmental processes and human-environment interactions as a step towards improving policies, practices, and specific interventions. The curriculum reflects a balance among theoretical, technical, and applied aspects, and promotes environmental and spatial awareness and literacy. The Department aims to train professional geographers, environmental scientists, and urban planners, as well as to produce articulate and informed graduates who are committed to improving the quality and sustainability of the natural, human, and built environment.

The Department is also participating in the Kaié:ri Nikawerá:ke Indigenous Bridging Program for BSc Geography, Planning and Environment students. This program offers alternative entry to eligible Indigenous students, specifically from First Nations, Métis and Inuit communities located in Canada, whose academic path is non-traditional. Students who successfully complete this bridging program will be able to transition to the program of their choice within the Department of Geography, Planning and Environment. For admissions criteria, please consult the following pages:

- Kaié:ri Nikawerá:ke Indigenous Bridging Program under Section 14 Alternative Entry
- Kaié:ri Nikawerá:ke Indigenous Bridging Program for General BSc, Geography, Planning and Environment Stream, under Section 31.002 Programs and Admission Requirements

Please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program website for more information:
concordia.ca/students/new/indigenous-bridging-program

Geography, Planning and Environment Program Notes

- The Department offers honours, specialization, and major programs leading to a BA in the Human Environment, a BA in Urban Planning or Urban Studies, and a BSc leading to an honours and specialization in Environmental and Sustainability Science or a major in Environmental Geography.
- In addition, it offers minor and certificate programs in Geospatial Technologies, and minors in the Human Environment, in Environmental Geography and in Urban Studies.
- Students wishing to follow a BSc must meet the entry profile for that program (see Section 31.002 Programs and Admission Requirements — Profiles).
- It is strongly recommended that students planning graduate studies follow the appropriate honours or specialization program.
- In addition to meeting the Faculty requirements (see Section 31.003 Degree Requirements,Honours Programs, Honours Regulations), the Department requires a statement of intent for students seeking admission to the honours program which specifies the proposed topic and supervisor for the Honours Essay and Research Seminar (GEOG 491 or URBS 491).

BSc Major in Environmental Geography

Program Requirements

Major in Environmental Geography (45 credits)

21 credits from Stage I: Major in Environmental Geography

24 credits from Stages II and III: Major in Environmental Geography

Stage I: Major in Environmental Geography (21 credits)

15 credits:

- GEOG 220 Place, Space, and Identity (3.00)
- GEOG 260 Mapping the Environment (3.00)
- GEOG 272 The Natural Environment: Air and Water (3.00)
- GEOG 274 The Natural Environment: Land and Life (3.00)
- GEOG 290 Environment and Society (3.00)

3 credits:

- GEOL 210 Introduction to the Earth (3.00)

3 credits chosen from:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 227 Laboratory Studies in Biodiversity (3.00)

Stages II and III: Major in Environmental Geography (24 credits)

9 credits:

- GEOG 361 Research Design and Qualitative Methods (3.00)
- GEOG 362 Statistical Methods (3.00)
- GEOG 363 Geographic Information Systems (3.00)

15 credits of 300 or 400level courses chosen from the Geography/Geology Course List or in consultation with the appropriate departmental advisor. At least three credits must be at the 400 level.

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Environmental Geography

Program Requirements

Minor in Environmental Geography (24 credits)

6 credits chosen from:

- GEOG 272 The Natural Environment: Air and Water (3.00)
- GEOG 274 The Natural Environment: Land and Life (3.00)
- GEOL 210 Introduction to the Earth (3.00)

3 credits:

- GEOG 290 Environment and Society (3.00)

9 credits chosen from:

- GEOG 363 Geographic Information Systems (3.00)
- GEOG 371 Landscape Ecology (3.00)
- GEOG 374 Plant Ecology (3.00)
- GEOG 375 Hydrology (3.00)
- GEOG 377 Landform Evolution (3.00)
- GEOG 378 The Climate System (3.00)
- GEOL 302 Palaeobiology (3.00)
- GEOL 331 Evolution of the Earth (3.00)

6 credits of 400-level courses chosen from the Geography/Geology Course List. If prerequisites are not satisfied, permission of the Department is required.

Notes

- This minor is intended for students enrolled in a BSc program.
- Students are responsible for satisfying their particular degree requirements.

BSc Honours in Environmental and Sustainability Science

Program Requirements

Honours in Environmental and Sustainability Science (69 credits)

33 credits from the Environmental and Sustainability Science Core

30 credits from the Earth Systems and Climate Science Stream (Honours)

6 credits:

- GEOG 491 Honours Essay and Research Seminar (6.00)

Earth Systems and Climate Science Stream (Honours) (30 credits)

9 credits:

- GEOG 375 Hydrology (3.00)
- GEOG 377 Landform Evolution (3.00)
- GEOG 378 The Climate System (3.00)

6 credits chosen from:

- BIOL 351 Basic Population Ecology (3.00)
- BIOL 353 Communities and Ecosystems (3.00)
- CHEM 234 Physical Chemistry I: Thermodynamics (3.00)
- CIVI 361 Introduction to Environmental Engineering (3.50)
- GEOG 355 Resource Analysis and Management (3.00)
- GEOG 371 Landscape Ecology (3.00)
- GEOG 374 Plant Ecology (3.00)
- GEOL 216 Field Methods (3.00)
- GEOL 302 Palaeobiology (3.00)

Note: Environmental and Sustainability Science students missing the prerequisites for CIVI 361 may apply to have all or some of these waived by the Department of Building, Civil and Environmental Engineering.

3 credits chosen from:

- GEOG 463 Advanced Geographic Information Systems (3.00)
- GEOG 465 Remote Sensing (3.00)

12 credits chosen from:

- BIOL 457 Conservation Biology (3.00)
- BIOL 459 Aquatic Ecology (3.00)
- CHEM 458 Aquatic Biogeochemistry (3.00)
- CIVI 467 Air Pollution and Emission Control (3.00)
- CIVI 468 Waste Management (3.00)
- CIVI 469 Geo-Environmental Engineering (3.50)
- GEOG 407 Indigenous Peoples and the Environment (3.00)
- GEOG 458 Environmental Impact Assessment (3.00)
- GEOG 464 Programming for Geospatial Technologies (3.00)
- GEOG 467 Environmental Modelling (3.00)
- GEOG 470 Environmental Management (3.00)
- GEOG 474 Sustainable Forest Management (3.00)
- GEOG 475 Water Resource Management (3.00)
- GEOG 476 Indigenous and Environmental History of Americas since 1492 (3.00)
- GEOG 478 Climate Change: Science, Impacts and Policy (3.00)
- GEOG 479 Primate Behaviour, Ecology and Conservation (3.00)
- GEOL 440 Seminar in Current Research on Environmental Earth Science (3.00)

Note: Environmental and Sustainability Science students missing the prerequisites for CIVI 467, CIVI 468 or CIVI 469 may apply to have all or some of these waived by the Department of Building, Civil and Environmental Engineering.

Notes

- Students interested in entering an honours program should consult their undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Environmental and Sustainability Science

Program Requirements

Specialization in Environmental and Sustainability Science (63 credits)

33 credits from the Environmental and Sustainability Science Core

30 credits from the Earth Systems and Climate Science Stream (Specialization)

Earth Systems and Climate Science Stream (Specialization) (30 credits)

9 credits:

- GEOG 375 Hydrology (3.00)
- GEOG 377 Landform Evolution (3.00)
- GEOG 378 The Climate System (3.00)

6 credits chosen from:

- BIOL 351 Basic Population Ecology (3.00)
- BIOL 353 Communities and Ecosystems (3.00)
- CHEM 234 Physical Chemistry I: Thermodynamics (3.00)
- CIVI 361 Introduction to Environmental Engineering (3.50)
- GEOG 355 Resource Analysis and Management (3.00)
- GEOG 371 Landscape Ecology (3.00)
- GEOG 374 Plant Ecology (3.00)
- GEOL 216 Field Methods (3.00)
- GEOL 302 Palaeobiology (3.00)

Note: Environmental and Sustainability Science students missing the prerequisites for CIVI 361 may apply to have all or some of these waived by the Department of Building, Civil and Environmental Engineering.

3 credits chosen from:

- GEOG 463 Advanced Geographic Information Systems (3.00)
- GEOG 465 Remote Sensing (3.00)

12 credits chosen from:

- BIOL 457 Conservation Biology (3.00)
- BIOL 459 Aquatic Ecology (3.00)

- CHEM 458 Aquatic Biogeochemistry (3.00)
- CIVI 467 Air Pollution and Emission Control (3.00)
- CIVI 468 Waste Management (3.00)
- CIVI 469 Geo-Environmental Engineering (3.50)
- GEOG 407 Indigenous Peoples and the Environment (3.00)
- GEOG 458 Environmental Impact Assessment (3.00)
- GEOG 464 Programming for Geospatial Technologies (3.00)
- GEOG 470 Environmental Management (3.00)
- GEOG 474 Sustainable Forest Management (3.00)
- GEOG 475 Water Resource Management (3.00)
- GEOG 476 Indigenous and Environmental History of Americas since 1492 (3.00)
- GEOG 478 Climate Change: Science, Impacts and Policy (3.00)
- GEOG 479 Primate Behaviour, Ecology and Conservation (3.00)
- GEOL 440 Seminar in Current Research on Environmental Earth Science (3.00)

Note: Environmental and Sustainability Science students missing the prerequisites for CIVI 467, CIVI 468 or CIVI 469 may apply to have all or some of these waived by the Department of Building, Civil and Environmental Engineering.

Notes

- Students are responsible for satisfying their particular degree requirements.

Environmental and Sustainability Science Core

Environmental and Sustainability Science Core (33 credits)

3 credits chosen from:

- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)
- CHEM 217 Introductory Analytical Chemistry I (3.00)

30 credits:

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 322 Biostatistics (3.00)
- CHEM 283 Air, Water and Soil Processes (3.00)
- GEOG 264 Programming for Environmental Sciences (3.00)
- GEOG 272 The Natural Environment: Air and Water (3.00)
- GEOG 290 Environment and Society (3.00)
- GEOG 363 Geographic Information Systems (3.00)
- GEOG 487 Capstone Seminar in Environmental Science (3.00)
- GEOL 210 Introduction to the Earth (3.00)

Minor in Geospatial Technologies

Program Requirements

Minor in Geospatial Technologies (24 credits)

3 credits chosen from:

- GEOG 210 Geography of Global Change (3.00)
- GEOG 220 Place, Space, and Identity (3.00)
- GEOG 310 Refugees and Migration in Today's World (3.00)
- GEOG 330 Urban Geography (3.00)
- URBS 230 Urbanization: Global and Historical Perspectives (3.00)

6 credits chosen from:

- GEOG 264 Programming for Environmental Sciences (3.00)
- GEOG 363 Geographic Information Systems (3.00)
- URBS 335 Geographic Information Systems (3.00)

Note: For students who have already completed GEOG 363 or URBS 335 as a requirement for their BA or BSc program, this course is replaced with any 300 or 400level GEOG or URBS course.

15 credits:

- GEOG 260 Mapping the Environment (3.00)
- GEOG 463 Advanced Geographic Information Systems (3.00)
- GEOG 464 Programming for Geospatial Technologies (3.00)
- GEOG 465 Remote Sensing (3.00)
- GEOG 466 Geomedia and the Geoweb (3.00)

Note: For students who have already completed GEOG 260 as a requirement for their BA or BSc program, this course is replaced with any GEOG or URBS course.

Notes

- Students are responsible for satisfying their particular degree requirements.

Certificate in Geospatial Technologies

Program Requirements

Certificate in Geospatial Technologies (30 credits)

6 credits chosen from:

- GEOG 210 Geography of Global Change (3.00)
- GEOG 220 Place, Space, and Identity (3.00)
- URBS 230 Urbanization: Global and Historical Perspectives (3.00)

24 credits:

- GEOG 260 Mapping the Environment (3.00)
- GEOG 264 Programming for Environmental Sciences (3.00)
- GEOG 362 Statistical Methods (3.00)
- GEOG 363 Geographic Information Systems (3.00)
- GEOG 463 Advanced Geographic Information Systems (3.00)
- GEOG 464 Programming for Geospatial Technologies (3.00)
- GEOG 465 Remote Sensing (3.00)
- GEOG 466 Geomedia and the Geoweb (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Honours in the Human Environment

Program Requirements

Honours in the Human Environment (60 credits)

18 credits from Stage I: Honours in the Human Environment

24 credits from Stage II: Honours in the Human Environment

18 credits from Stage III: Honours in the Human Environment

Stage I: Honours in the Human Environment (18 credits)

15 credits:

- GEOG 220 Place, Space, and Identity (3.00)
- GEOG 260 Mapping the Environment (3.00)
- GEOG 272 The Natural Environment: Air and Water (3.00)
- GEOG 274 The Natural Environment: Land and Life (3.00)
- GEOG 290 Environment and Society (3.00)

3 credits chosen from:

- GEOG 210 Geography of Global Change (3.00)
- GEOL 210 Introduction to the Earth (3.00)
- URBS 230 Urbanization: Global and Historical Perspectives (3.00)

Stage II: Honours in the Human Environment (24 credits)

12 credits:

- GEOG 315 Social and Cultural Geographies (3.00)
- GEOG 361 Research Design and Qualitative Methods (3.00)
- GEOG 362 Statistical Methods (3.00)
- GEOG 363 Geographic Information Systems (3.00)

12 credits chosen from Group 1: Human Environment Electives and Group 2: Human Environment Electives with at least three credits from each group

Stage III: Honours in the Human Environment (18 credits)

12 credits of Geography elective courses at the 400 level

6 credits:

- GEOG 491 Honours Essay and Research Seminar (6.00)

Notes

- Students interested in entering an honours program should consult their undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in the Human Environment

Program Requirements

Specialization in the Human Environment (60 credits)

18 credits from Stage I: Specialization in the Human Environment

24 credits from Stage II: Specialization in the Human Environment

18 credits from Stage III: Specialization in the Human Environment

Stage I: Specialization in the Human Environment (18 credits)

15 credits:

- GEOG 220 Place, Space, and Identity (3.00)
- GEOG 260 Mapping the Environment (3.00)
- GEOG 272 The Natural Environment: Air and Water (3.00)
- GEOG 274 The Natural Environment: Land and Life (3.00)
- GEOG 290 Environment and Society (3.00)

3 credits chosen from:

- GEOG 210 Geography of Global Change (3.00)
- GEOL 210 Introduction to the Earth (3.00)
- URBS 230 Urbanization: Global and Historical Perspectives (3.00)

Stage II: Specialization in the Human Environment (24 credits)

12 credits:

- GEOG 315 Social and Cultural Geographies (3.00)
- GEOG 361 Research Design and Qualitative Methods (3.00)
- GEOG 362 Statistical Methods (3.00)
- GEOG 363 Geographic Information Systems (3.00)

12 credits chosen from Group 1 Human Environment Electives and Group 2 Human Environment Electives with at least three credits from each group

Stage III: Specialization in the Human Environment (18 credits)

12 credits of Geography elective courses at the 400 level

6 credits of Geography elective courses at the 300 or 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Major in the Human Environment

Program Requirements

Major in the Human Environment (42 credits)

18 credits from Stage I: Major in the Human Environment

18 credits from Stage II: Major in the Human Environment

6 credits from Stage III: Major in the Human Environment

Stage I: Major in the Human Environment (18 credits)

15 credits:

- GEOG 220 Place, Space, and Identity (3.00)
- GEOG 260 Mapping the Environment (3.00)
- GEOG 272 The Natural Environment: Air and Water (3.00)
- GEOG 274 The Natural Environment: Land and Life (3.00)
- GEOG 290 Environment and Society (3.00)

3 credits chosen from:

- GEOG 210 Geography of Global Change (3.00)
- GEOL 210 Introduction to the Earth (3.00)
- URBS 230 Urbanization: Global and Historical Perspectives (3.00)

Stage II: Major in the Human Environment (18 credits)

12 credits:

- GEOG 315 Social and Cultural Geographies (3.00)
- GEOG 361 Research Design and Qualitative Methods (3.00)
- GEOG 362 Statistical Methods (3.00)
- GEOG 363 Geographic Information Systems (3.00)

3 credits chosen from:

- GEOG 310 Refugees and Migration in Today's World (3.00)
- GEOG 321 A World of Food (3.00)
- GEOG 323 Urban Agriculture (3.00)

- GEOG 330 Urban Geography (3.00)
- GEOG 355 Resource Analysis and Management (3.00)
- GEOG 380 Ecological Economics (3.00)

3 credits chosen from:

- GEOG 371 Landscape Ecology (3.00)
- GEOG 374 Plant Ecology (3.00)
- GEOG 375 Hydrology (3.00)
- GEOG 377 Landform Evolution (3.00)
- GEOG 378 The Climate System (3.00)

Stage III: Major in the Human Environment (6 credits)

6 credits of Geography elective courses at the 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in the Human Environment

Program Requirements

Minor in the Human Environment (30 credits)

15 credits:

- GEOG 220 Place, Space, and Identity (3.00)
- GEOG 260 Mapping the Environment (3.00)
- GEOG 272 The Natural Environment: Air and Water (3.00)
- GEOG 274 The Natural Environment: Land and Life (3.00)
- GEOG 290 Environment and Society (3.00)

3 credits:

- GEOG 315 Social and Cultural Geographies (3.00)

12 credits of Geography elective courses at the 300 or 400 level

Notes

- This minor is intended for students enrolled in a BA program.
- Students are responsible for satisfying their particular degree requirements.

Human Environment Course Groups

Group 1 Human Environment Electives

- GEOG 310 Refugees and Migration in Today's World (3.00)
- GEOG 321 A World of Food (3.00)
- GEOG 323 Urban Agriculture (3.00)
- GEOG 330 Urban Geography (3.00)
- GEOG 355 Resource Analysis and Management (3.00)
- GEOG 380 Ecological Economics (3.00)

Group 2 Human Environment Electives

- GEOG 371 Landscape Ecology (3.00)
- GEOG 374 Plant Ecology (3.00)
- GEOG 375 Hydrology (3.00)
- GEOG 377 Landform Evolution (3.00)
- GEOG 378 The Climate System (3.00)

Geography/Geology Course List

Geography/Geology Course List

Students in programs leading to the BSc degree may take the courses in Geography/Geology listed below for credits to be applied to their program of concentration.

- GEOG 260 Mapping the Environment (3.00)
- GEOG 264 Programming for Environmental Sciences (3.00)
- GEOG 272 The Natural Environment: Air and Water (3.00)
- GEOG 274 The Natural Environment: Land and Life (3.00)
- GEOG 361 Research Design and Qualitative Methods (3.00)
- GEOG 362 Statistical Methods (3.00)
- GEOG 363 Geographic Information Systems (3.00)
- GEOG 371 Landscape Ecology (3.00)
- GEOG 374 Plant Ecology (3.00)
- GEOG 375 Hydrology (3.00)
- GEOG 377 Landform Evolution (3.00)
- GEOG 378 The Climate System (3.00)
- GEOG 458 Environmental Impact Assessment (3.00)
- GEOG 463 Advanced Geographic Information Systems (3.00)
- GEOG 464 Programming for Geospatial Technologies (3.00)
- GEOG 465 Remote Sensing (3.00)
- GEOG 466 Geomedia and the Geoweb (3.00)
- GEOG 470 Environmental Management (3.00)
- GEOG 473 Environment and Health (3.00)
- GEOG 474 Sustainable Forest Management (3.00)
- GEOG 475 Water Resource Management (3.00)
- GEOG 476 Indigenous and Environmental History of Americas since 1492 (3.00)
- GEOG 478 Climate Change: Science, Impacts and Policy (3.00)
- GEOG 479 Primate Behaviour, Ecology and Conservation (3.00)
- GEOL 210 Introduction to the Earth (3.00)
- GEOL 216 Field Methods (3.00)
- GEOL 302 Palaeobiology (3.00)
- GEOL 331 Evolution of the Earth (3.00)

- GEOL 415 Plate Tectonics and Crustal Evolution (3.00)
- GEOL 440 Seminar in Current Research on Environmental Earth Science (3.00)

Urban Planning and Urban Studies Program Notes

- The Urban Planning and Urban Studies programs introduce students to past, present, and future processes of urbanization.
- Three programs (BA Major in Urban Studies, BA Honours in Urban Planning and BA Specialization in Urban Planning) share a common core of courses and offer students theoretical, analytical, and technical knowledge to comprehend complex urban dynamics.
- The programs prepare students for work in the professional planning, public policy, community development, and real estate fields.
- The Urban Planning programs are differentiated from Urban Studies by further skills training in the translation of theory into professional practice.
- Students enrolled in the Major in Urban Studies, or other undergraduate programs in Arts and Science, seeking to transfer to the BA Specialization in Urban Planning normally request a transfer at the end of their first year, after completing a minimum of nine URBS credits. A minimum cumulative GPA of 3.0 is required to transfer.
- All course substitutions must be approved by an academic advisor.

BA Honours in Urban Planning

Program Requirements

Honours in Urban Planning (63 credits)

12 credits from Stage I: Honours in Urban Planning

27 credits from Stage II: Honours in Urban Planning

24 credits from Stage III: Honours in Urban Planning

Stage I: Honours in Urban Planning (12 credits)

12 credits:

- URBS 230 Urbanization: Global and Historical Perspectives (3.00)
- URBS 240 Planning (3.00)
- URBS 250 Representation Methods in Urban Studies (3.00)
- URBS 260 Analytical Methods in Urban Studies (3.00)

Stage II: Honours in Urban Planning (27 credits)

15 credits:

- URBS 333 Urban Laboratory (6.00)
- URBS 335 Geographic Information Systems (3.00)
- URBS 362 Quantitative Research Methods (3.00)
- URBS 393 Law and Regulation in Urban Planning (3.00)

12 credits chosen from:

- ARTH 374 Architecture and Urbanism in Montreal (3.00)
- GEOG 330 Urban Geography (3.00)
- POLI 349 Political and Social Theory and the City (3.00)
- URBS 300 Neighbourhood and Community Planning (3.00)
- URBS 310 Urban Transportation (3.00)
- URBS 337 Urban Agriculture (3.00)
- URBS 338 Urban Ecology (3.00)
- URBS 370 Housing Policy (3.00)

- URBS 380 Urban and Regional Economic Development (3.00)

Note: A maximum of three credits may be chosen from ARTH 374 and POLI 349.

Stage III: Honours in Urban Planning (24 credits)

12 credits:

- URBS 433 Advanced Urban Laboratory (6.00)
- URBS 491 Honours Essay and Research Seminar (6.00)

12 credits chosen from:

- GEOG 463 Advanced Geographic Information Systems (3.00)
- GEOG 465 Remote Sensing (3.00)
- GEOG 466 Geomedia and the Geoweb (3.00)
- URBS 420 Social Geographies of Montreal (3.00)
- URBS 440 Urban Policing and Security (3.00)
- URBS 450 Economic Restructuring (3.00)
- URBS 460 Reading the Urban Form (3.00)
- URBS 470 Public Infrastructure Finance for Planners (3.00)
- URBS 475 Community and Regional Planning in a Changing Climate (3.00)
- URBS 480 Impact Assessment (3.00)
- URBS 481 Urban Planning in the Developing World (3.00)
- URBS 490 Public Space and the Public Interest (3.00)
- URBS 495 Field Research (3.00)

Note: A maximum of six credits may be chosen from GEOG 463, GEOG 465, and GEOG 466.

Notes

- Students interested in entering an honours program should consult their undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in Urban Planning

Program Requirements

Specialization in Urban Planning (60 credits)

12 credits from Stage I: Specialization in Urban Planning

27 credits from Stage II: Specialization in Urban Planning

21 credits from Stage III: Specialization in Urban Planning

Stage I: Specialization in Urban Planning (12 credits)

12 credits:

- URBS 230 Urbanization: Global and Historical Perspectives (3.00)
- URBS 240 Planning (3.00)
- URBS 250 Representation Methods in Urban Studies (3.00)
- URBS 260 Analytical Methods in Urban Studies (3.00)

Stage II: Specialization in Urban Planning (27 credits)

15 credits:

- URBS 333 Urban Laboratory (6.00)
- URBS 335 Geographic Information Systems (3.00)
- URBS 362 Quantitative Research Methods (3.00)
- URBS 393 Law and Regulation in Urban Planning (3.00)

12 credits chosen from:

- ARTH 374 Architecture and Urbanism in Montreal (3.00)
- GEOG 330 Urban Geography (3.00)
- POLI 349 Political and Social Theory and the City (3.00)
- URBS 300 Neighbourhood and Community Planning (3.00)
- URBS 310 Urban Transportation (3.00)
- URBS 337 Urban Agriculture (3.00)
- URBS 338 Urban Ecology (3.00)
- URBS 370 Housing Policy (3.00)

- URBS 380 Urban and Regional Economic Development (3.00)

Note: A maximum of three credits may be chosen from ARTH 374 and POLI 349.

Stage III: Specialization in Urban Planning (21 credits)

6 credits:

- URBS 433 Advanced Urban Laboratory (6.00)

15 credits chosen from:

- GEOG 463 Advanced Geographic Information Systems (3.00)
- GEOG 465 Remote Sensing (3.00)
- GEOG 466 Geomedia and the Geoweb (3.00)
- URBS 420 Social Geographies of Montreal (3.00)
- URBS 440 Urban Policing and Security (3.00)
- URBS 450 Economic Restructuring (3.00)
- URBS 460 Reading the Urban Form (3.00)
- URBS 470 Public Infrastructure Finance for Planners (3.00)
- URBS 475 Community and Regional Planning in a Changing Climate (3.00)
- URBS 480 Impact Assessment (3.00)
- URBS 481 Urban Planning in the Developing World (3.00)
- URBS 483 Directed Studies/Practicum in Urban Planning I (3.00)
- URBS 490 Public Space and the Public Interest (3.00)
- URBS 495 Field Research (3.00)

Note: A maximum of six credits may be chosen from: GEOG 463, GEOG 465, and GEOG 466.

Notes

- Students enrolled in the Major in Urban Studies, or other undergraduate programs in Arts and Science, seeking to transfer to the BA Specialization in Urban Planning normally request a transfer at the end of their first year, after completing a minimum of nine URBS credits. A minimum cumulative GPA of 3.0 is required to transfer.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Urban Studies

Program Requirements

Major in Urban Studies (42 credits)

12 credits from Stage I: Major in Urban Studies

21 credits from Stage II: Major in Urban Studies

9 credits from Stage III: Major in Urban Studies

Stage I: Major in Urban Studies (12 credits)

12 credits:

- URBS 230 Urbanization: Global and Historical Perspectives (3.00)
- URBS 240 Planning (3.00)
- URBS 250 Representation Methods in Urban Studies (3.00)
- URBS 260 Analytical Methods in Urban Studies (3.00)

Stage II: Major in Urban Studies (21 credits)

9 credits:

- URBS 300 Neighbourhood and Community Planning (3.00)
- URBS 335 Geographic Information Systems (3.00)
- URBS 362 Quantitative Research Methods (3.00)

12 credits chosen from:

- ARTH 374 Architecture and Urbanism in Montreal (3.00)
- GEOG 330 Urban Geography (3.00)
- POLI 349 Political and Social Theory and the City (3.00)
- URBS 310 Urban Transportation (3.00)
- URBS 337 Urban Agriculture (3.00)
- URBS 338 Urban Ecology (3.00)
- URBS 370 Housing Policy (3.00)
- URBS 380 Urban and Regional Economic Development (3.00)
- URBS 393 Law and Regulation in Urban Planning (3.00)

Note: A maximum of three credits may be chosen from ARTH 374 and POLI 349.

Stage III: Major in Urban Studies (9 credits)

9 credits chosen from:

- GEOG 463 Advanced Geographic Information Systems (3.00)
- GEOG 465 Remote Sensing (3.00)
- GEOG 466 Geomedia and the Geoweb (3.00)
- URBS 420 Social Geographies of Montreal (3.00)
- URBS 440 Urban Policing and Security (3.00)
- URBS 450 Economic Restructuring (3.00)
- URBS 460 Reading the Urban Form (3.00)
- URBS 470 Public Infrastructure Finance for Planners (3.00)
- URBS 475 Community and Regional Planning in a Changing Climate (3.00)
- URBS 480 Impact Assessment (3.00)
- URBS 481 Urban Planning in the Developing World (3.00)
- URBS 490 Public Space and the Public Interest (3.00)
- URBS 495 Field Research (3.00)

Note: A maximum of three credits may be chosen from GEOG 463, GEOG 465, and GEOG 466.

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Urban Studies

Program Requirements

Minor in Urban Studies (30 credits)

6 credits:

- URBS 230 Urbanization: Global and Historical Perspectives (3.00)
- URBS 240 Planning (3.00)

18 credits chosen from:

- GEOG 220 Place, Space, and Identity (3.00)
- GEOG 330 Urban Geography (3.00)
- URBS 250 Representation Methods in Urban Studies (3.00)
- URBS 260 Analytical Methods in Urban Studies (3.00)
- URBS 300 Neighbourhood and Community Planning (3.00)
- URBS 310 Urban Transportation (3.00)
- URBS 337 Urban Agriculture (3.00)
- URBS 338 Urban Ecology (3.00)
- URBS 370 Housing Policy (3.00)
- URBS 380 Urban and Regional Economic Development (3.00)
- URBS 393 Law and Regulation in Urban Planning (3.00)

6 credits chosen from:

- URBS 420 Social Geographies of Montreal (3.00)
- URBS 440 Urban Policing and Security (3.00)
- URBS 450 Economic Restructuring (3.00)
- URBS 460 Reading the Urban Form (3.00)
- URBS 470 Public Infrastructure Finance for Planners (3.00)
- URBS 475 Community and Regional Planning in a Changing Climate (3.00)
- URBS 480 Impact Assessment (3.00)
- URBS 481 Urban Planning in the Developing World (3.00)
- URBS 490 Public Space and the Public Interest (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

Department of Geography, Planning and Environment Courses

Quick Links

Geography Courses

Geology Courses

Urban Planning and Urban Studies Courses

Geography Courses

GEOG 200 World Geography (3 credits)

Description:

This course provides an overview of world geography. It first examines the main environmental and social factors that geographers have employed to divide the world into a series of distinctive regions, and uses examples of specific countries to explore the distinctive geographical processes by which these patterns are transformed and perpetuated.

Component(s):

"Lecture"

Notes:

- Students currently registered in a Human Environment, Environmental Geography, or Environmental and Sustainability Science program may not take this course for credit.

GEOG 203 Canadian Environmental Issues (3 credits)

Description:

This course examines the diversity and complexity of Canadian environmental issues from an interdisciplinary perspective. Natural science considerations are explored as well as the relationship of scientific understanding to policy and wider social action. Issues addressed include fisheries, animal rights, biodiversity conservation, protected areas, energy, and climate change.

Component(s):

"Lecture"

Notes:

- Students currently registered in a Human Environment, Environmental Geography, or Environmental and Sustainability Science program may not take this course for credit.

GEOG 204 Global Environmental Issues (3 credits)

Description:

This course examines a number of global environmental issues from an interdisciplinary perspective. The complex interactions and interdependencies among the biophysical, socio-economic, political, and cultural aspects of global environmental change are explored in relation to issues such as global warming, desertification, deforestation, declining biodiversity, and acid rain.

Component(s):

"Lecture"

Notes:

- Students currently registered in a Human Environment, Environmental Geography, or Environmental and Sustainability Science program may not take this course for credit.

GEOG 206 Maps and Mapping (3 credits)

Description:

This course explores the role of maps in society. Students are introduced to basic mapping concepts in order to evaluate the meaning and use of various types of maps. Samples of the following types of maps are studied: historic maps, political maps, cognitive maps, maps in newspapers and magazines, computer-generated maps, and maps on television.

Component(s):

"Lecture"

Notes:

- Students who have completed courses numbered GEOG 209 and above may not take GEOG 200208 for credit.

GEOG 209 The Geography of a Selected Region (3 credits)

Description:

The course includes both a systematic survey as well as an in-depth focus on particular geographical issues and problems. The specific region to be studied may vary from year to year.

Component(s):

"Lecture"

GEOG 210 Geography of Global Change (3 credits)

Description:

This course examines a variety of geographical changes related to globalization. It focuses mainly on the global political system and the global economy, and also considers transport and communications systems, culture, and environmental issues.

Component(s):

"Lecture"

GEOG 220 Place, Space, and Identity (3 credits)

Description:

This course examines how place is constructed through subjective encounters of humans with each other and with the non-human world. This focus reveals how the unique and contested identities of places are created and how space itself is socially constructed. The ways in which place, space and identity affect and are affected by political, economic, cultural and environmental changes are then examined within the context of existing patterns of geographical unevenness.

Component(s):

"Lecture"

GEOG 260 Mapping the Environment (3 credits)

Description:

This course introduces students to the basic concepts, theory, and methods of mapping with reference to topographic and thematic maps. Through lectures, laboratories, and practical assignments, students learn about the sources of data for maps, and how these data are manipulated, represented, and interpreted in both analog and digital form (Geographic Information Systems).

Component(s):

"Lecture"; "Laboratory"

GEOG 264 Programming for Environmental Sciences (3 credits)

Description:

This course is an introduction to the fundamentals of computer programming relevant for environmental sciences. It presents the basic building blocks of computer programming, including data types, variables and constants; expressions and operators; assignments, control structures, simple library functions and programmer-defined functions. Students learn how to develop algorithms and how to convert algorithms/pseudo codes into a programming language — specific syntax (e.g. R, Python) — to collect, query, preprocess, visualize and analyze environmental datasets.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for STAT 280 or for this topic under a GEOG 298 number may not take this course for credit.

GEOG 272 The Natural Environment: Air and Water (3 credits)

Description:

This course introduces the Earth's atmosphere and hydrosphere through an examination of their structural components, processes, and variability through space and time. Topics include the global energy system, air temperature cycles, weather systems, urban climate, the water cycle, oceans, lakes, and rivers.

Component(s):

"Lecture"

GEOG 274 The Natural Environment: Land and Life (3 credits)

Description:

This course introduces the Earth's lithosphere and biosphere through an examination of their structural components, processes, and variability through space and time. Topics include the tectonic system, volcanic activity, landscape and landform development, soils, biogeochemical cycling, succession, and biomes.

Component(s):

"Lecture"

GEOG 290 Environment and Society (3 credits)

Prerequisite/Corequisite:

Enrolment in a BA Human Environment or BSc Environmental Geography or BSc Environmental and Sustainability Science program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

Relations between the environment and society both preserve and threaten the more-than-human world. Drawing on vibrant contributions from geographical and interdisciplinary fields, this course introduces concepts and frameworks for clarifying and interrogating existing environment-society relations and for imagining possible alternatives. Topics may include nature/culture divide, alternative ideas of nature, historical dimensions of current environment-society relations, the role of experts and expertise in contemporary society, the impact of unequal distributions of political power on people and the environment, and possibilities for hope in troubled times. Writing tutorials linked to the course assignments help students learn university-level academic writing and critical thinking skills.

Component(s):

"Lecture"; "Tutorial"

GEOG 298 Selected Topics in Geography (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Geography Course Guide.

GEOG 299 Selected Topics in Geography (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Geography Course Guide.

GEOG 301 The Sustainable University Campus (3 credits)

Prerequisite/Corequisite:

Students must complete 30 university credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

With the campus as the laboratory, this course explores and contributes to building a more sustainable campus community. It is designed to support Concordia's commitment to sustainability while providing students with an applied learning experience. Students gain experience in planning and implementing interdisciplinary research projects using a variety of qualitative and quantitative techniques. They learn about participatory action research, the application of sustainability concepts in a living and learning organization, and work in teams to develop creative and actionable projects that contribute to moving the University in a more sustainable direction. The course integrates theory and practice. The Concordia Campus Sustainability Assessment as well as recent literature and case studies from the sustainability assessment and reporting fields form the theoretical foundations of the course. The course uses lectures, guest speakers, workshops, and project work as learning tools.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a GEOG 398 number may not take this course for credit.

GEOG 310 Refugees and Migration in Today's World (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GEOG 220; or completion of 30 credits for students enrolled in a Social Science program. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines key issues in human displacement through refugee movements and migrations. Geographies of displacement centre around questions of human rights, nation-state and the politics of belonging, as well as exile/home. While displacement is often framed as a political or humanitarian crisis, it also raises important issues regarding citizenship and exclusion, shelter and sanctuary, movement and confinement. This course offers geographic approaches to understanding how people experience displacement, as well as how displacement is managed at a policy level and/or represented in discourse.

Component(s):

"Lecture"

GEOG 315 Social and Cultural Geographies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 220, GEOG 290.

Description:

The field of social and cultural geography explores how social difference (e.g. race, gender, sexuality, class, disability, migrant status) and cultural representations (e.g. ideas of heritage, consumerism, colonialism, arts, aesthetics, or home) interact with space and place. This course examines processes such as the legitimation of social structures and experience, struggles over identity and memory, contestations of cultural meaning, and resistance to power. This is a field that asks — how does geography help imagine an alternative future?

Component(s):

"Lecture"

Notes:

- Students who have received credit for GEOG 300 may not take this course for credit.

GEOG 321 A World of Food (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 university credits prior to enrolling.

Description:

This course examines the geographical processes that have affected the production and consumption of food from the beginnings of agriculture to the rise of genetically modified organisms, and considers the part played by different patterns of diet and cuisine in shaping distinctive regions at the global and local scale.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a GEOG 398 number may not take this course for credit.

GEOG 323 Urban Agriculture (3 credits)

(also listed as URBS 337)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 220 or URBS 230. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the history and practice of producing food in cities. Students will explore the tensions between the politics, economies and ecologies that organize urban food production and the everyday ways people raise and access food in varied urban contexts. The course also critically evaluates food-based social movements: their limits, possibilities and connections to wider struggles for socio-economic justice.

Component(s):

"Lecture"

Notes:

- Students who have received credit for URBS 337 or for this topic under a GEOG 398 or URBS 398 number may not take this course for credit.

GEOG 330 Urban Geography (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 220. If prerequisites are not satisfied, permission of the Department is required.

Description:

The geographer's view of the city is explored at two scales: cities as elements of an urban system, including topics such as urbanization and the functional structure of cities; and intra-urban patterns, including the spatial arrangement of land-use and social areas.

Component(s):

"Lecture"

GEOG 333 Urban Transportation (3 credits)

(also listed as URBS 310)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 220 or URBS 230. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the past evolution and recent functioning of various transport modes in cities around the world. Recent debates about desirable levels of car, transit, and non-motorized modes feature prominently. Techniques of analyzing urban transport and public policy options are considered in light of burgeoning concerns about sustainable development and the worldwide growth of motorization.

Component(s):

"Lecture"

Notes:

- Students who have received credit for URBS 310 may not take this course for credit.

GEOG 342 The Making of the Irish Landscape (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on the evolution of the Irish landscape and examines the physical, political, social, economic and attitudinal processes that have shaped the cultural landscape from prehistoric times to the present.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a GEOG 398 number may not take this course for credit.

GEOG 355 Resource Analysis and Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 290. If prerequisites are not satisfied, permission of the Department is required.

Description:

The course is concerned with the use of the Earth's natural resources and with the economic, institutional, and ecological factors that affect, condition, and control the use of these resources. It examines various approaches to analyzing, evaluating, and resolving resource issues and conflicts. These approaches are applied to Canadian forestry, fisheries, water, energy, and mineral resources.

Component(s):

"Lecture"

GEOG 361 Research Design and Qualitative Methods (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 260. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to commonly employed methods and techniques for undertaking social science research. After reviewing the philosophical considerations underlying particular research traditions and the merits and limitations of distinct types of research strategies, the course examines specific sets of methods and the kinds of questions and research topics for which they are best suited. The focus is on qualitative methods but also examines the complementarity of qualitative and quantitative techniques and the broader research designs in which quantitative techniques can be employed. Readings are supplemented with in-class and field exercises. Occasional involvement in fieldwork outside of class time is required.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GEOG 360 may not take this course for credit.

GEOG 362 Statistical Methods (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 361. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces statistical methods for geographers. Topics include sampling, data manipulation, probability distributions, statistical inference, hypothesis testing, correlation and regression.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for BIOL 322, COMM 215, ECON 221, GEOG 360, INTE 296, MAST 221 or MAST 333, PSYC 315, SOCI 213, STAT 2096 or STAT 249 may not take this course for credit.

GEOG 363 Geographic Information Systems (3 credits)

(also listed as URBS 335)

Prerequisite/Corequisite:

One of the following courses must be completed previously: GEOG 260 or GEOL 210 . If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an introduction to current theoretical and practical approaches to Geographic Information Systems (GIS) through which students acquire basic skills and understanding in the use of GIS for spatial analysis. Training is centred on a series of practical assignments using GIS software and for the term project, students explore the potential of GIS for addressing a real-world problem.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for URBS 335 may not take this course for credit.

GEOG 371 Landscape Ecology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 272; GEOG 274 or GEOL 210.

Description:

The objective of this course is to combine perspectives and principles originating in ecology and geography for application in conservation, restoration, and more sustainable land use. Students examine how natural processes and human activities interact and contribute to landscape change, and how landscape patterns influence the abundance and distribution of plants and animals. Topics include natural processes such as fire, water, and the movement of organisms; human activities such as transportation infrastructure and urban development; and methods for analyzing landscape structure such as patches, corridor networks, and landscape metrics.

Component(s):

"Lecture"; "Laboratory"

GEOG 374 Plant Ecology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 272; GEOG 274 or GEOL 210.

Description:

This course examines plant community dynamics as a consequence of the population dynamics of the constituent plant species. The role of natural disturbances is stressed, particularly as it relates to forests. Concepts are applied to problems in park management, vegetation mapping, and present controversies about the maintenance of species diversity. This course includes a mandatory one-day field trip.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for GEOG 372 or GEOG 373 may not take this course for credit.

GEOG 375 Hydrology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 272 ; GEOG 274 or GEOL 210 . If prerequisites are not satisfied, permission of the Department is required.

Description:

The course examines the hydrologic cycle, with a main focus on surface hydrology. Topics covered include the organization of the river network, precipitation over a watershed, runoff, flood frequency analysis, estimation of peak streamflows, flow, and sediment transport in rivers. Assignments provide experience in the practical aspects of hydrological data treatment using Canadian examples. The course aims at understanding the mechanics of processes governing the motion of water on hillslopes and in rivers, which are essential to water management.

Component(s):

"Lecture"; "Tutorial"

GEOG 377 Landform Evolution (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 272; GEOG 274 or GEOL 210. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the processes responsible for the development and evolution of the Earth's landforms, including human modifications to those landforms. Topics include the study of fluvial, coastal, glacial, periglacial, and arid landforms.

Component(s):

"Lecture"; "Tutorial"; "Laboratory"

Notes:

- Students are strongly encouraged to take GEOL 210.

GEOG 378 The Climate System (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 272; GEOG 274 or GEOL 210. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the interacting components of the climate system (atmosphere, ocean, ice, land and vegetation) and the key features of the present-day weather and climate systems; including a focus on how the climate system has changed in the past, and the processes, both natural and human-induced, which drive and moderate these changes. Methods used to reconstruct past climate changes, and the use of climate models to understand climate system interactions and change are discussed.

Component(s):

"Lecture"; "Laboratory"

GEOG 380 Ecological Economics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 210 or GEOG 290; or ECON 201, ECON 203.

Description:

This course provides an introduction to economic perspectives on environmental issues. It is designed to study the interplay between the economic sphere and the environment by addressing questions of economic life, such as activities of corporations and states, role of markets, energy and resource use, growth and development, population, food, international trade and financial systems. These questions are explored through alternative economic approaches, among which the tradition of ecological economics is the centrepiece.

Component(s):

"Lecture"

GEOG 398 Selected Topics in Geography (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule and Geography Course Guide.

GEOG 399 Selected Topics in Geography (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and Geography Course Guide.

GEOG 406 Tropical Forests (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 374. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on three themes: how tropical forest ecosystems function and change; the causes and consequences of deforestation and faunal impoverishment; and the ecological and sociological problems faced by conservationists in the tropics.

Component(s):

"Lecture"

GEOG 407 Indigenous Peoples and the Environment (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 315. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an extended, in-depth exploration of the relationships and roles of Indigenous peoples with respect to their traditional territories and natural resources. Indigenous ontologies and epistemologies are highlighted in addition to Indigenous aspirations and approaches for use and stewardship of the environment. The course examines theoretical and case-study literature, with a broad regional focus on Aboriginal peoples in Canada while also drawing from comparative international experiences of Indigenous peoples.

Component(s):

"Seminar"

GEOG 418 Geographies of Postcolonialism (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 315. If prerequisites are not satisfied, permission of the Department is required.

Description:

Based largely on scholarship about the Americas, this course introduces students to theories of the colonial present and traces geographies of a variety of contemporary colonial processes and anti-colonial struggles.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a GEOG 498 number may not take this course for credit.

GEOG 430 Social Geographies of Montreal (3 credits)

(also listed as URBS 420)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 315 or GEOG 330. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the social and cultural geographies of Montreal with particular emphasis on how the spatial distribution of communities influences urban planning and public policy at the local and regional levels. Complex webs of identities and solidarities informed by socio-economic, linguistic, ethno-cultural, and sexual orientation factors shape the city living experience of individuals and populations alike. Through lectures, discussions, assignments and field trips, students are introduced to a variety of analytical perspectives that investigate the socio-cultural dynamics that contribute to shaping urban settlements, human-environment interactions and local social networks.

Component(s):

"Seminar"

Notes:

- Students who have received credit for URBS 420 may not take this course for credit.

GEOG 431 Urban Planning in the Developing World (3 credits)

(also listed as URBS 481)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 330 or URBS 380. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the growth and planning of large metropolitan areas in developing nations. Issues and problems associated with recent urbanization are examined along with potential solutions offered by urban planning and public

policies. The planning roles of institutions, including governments, multilateral development agencies, and non-governmental organizations, are reviewed.

Component(s):

"Seminar"

Notes:

- Students who have received credit for URBS 481 may not take this course for credit.

GEOG 440 Geography and Public Policy (3 credits)

Prerequisite/Corequisite:

Students must have completed 33 credits in Geography prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the relationship between geographical approaches to problems and issues, and the public policy process. It discusses such topics as the relevance of geographical information and geographical research to policy makers, the need for assessment of the spatial and environmental impact of public policies, and the role of geographers in the public policy process.

Component(s):

"Lecture"

GEOG 450 Economic Restructuring (3 credits)

(also listed as URBS 450)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 330 or GEOG 380 or URBS 380. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the nature of economic restructuring in late capitalism and the implications that industrial restructuring trends are having for the geography of industries, the structure of firms, workplace relations and workers' rights. It examines the new challenges that restructuring presents for both economic development prospects and labour market policies, as well as looking at contemporary initiatives to promote more socially and environmentally sustainable development paths.

Component(s):

"Seminar"

Notes:

- Students who have received credit for URBS 450 may not take this course for credit.

GEOG 458 Environmental Impact Assessment (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 355. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the conceptual bases, procedures, and methodology of Environmental Impact Assessment (EIA). The effectiveness of EIA as a decision-making process in the promotion of good environmental planning is analyzed, including its role in assessing the potential effects of certain activities on the natural environment as well as on social, cultural, and economic aspects of the environment.

Component(s):

"Seminar"

GEOG 463 Advanced Geographic Information Systems (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 363 or URBS 335. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on database structure and management as well as advanced spatial analysis techniques. It considers both practical and theoretical questions of interpretation of GIS in the context of particular problems and real data sets. The course involves hands-on use of GIS software in a laboratory setting.

Component(s):

"Lecture"; "Laboratory"

GEOG 464 Programming for Geospatial Technologies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 264; GEOG 363 or URBS 335 . If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to the world of programming for geospatial technologies and web mapping. Through a review of the main concepts, techniques, standards, libraries and languages, students learn how to use programming to improve the geospatial data analysis process and to design maps that enhance the user's experience. Training is centred on programming languages for Geographical Information System (GIS) applications (e.g. Python) as well as for web mapping (e.g. HTML, CSS and JavaScript). These languages are used to automate workflows for GIS analysis and customize stylistic and meaningful online maps.

Component(s):

"Lecture"; "Laboratory"

GEOG 465 Remote Sensing (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 363 or URBS 335. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides basic knowledge about the theory and practice of remote sensing, its potential and limits. The course is divided in five parts: 1) fundamentals of remote sensing, where the physical basis of remote sensing is explained; 2) sensors and orbits (different types of sensors, passive, active, and thermal sensors); 3) digital image processing, looking at image enhancement, filtering, classification, and how to obtain thematic data from raw imagery; 4) applications of remote sensing such as forestry, urban studies, water pollution, and agriculture; and 5) problems and challenges associated with remote sensing. Practical examples for all these topics will be covered in the laboratory sessions.

Component(s):

"Lecture"; "Laboratory"

GEOG 466 Geomedia and the Geoweb (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 363 or URBS 335. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to geospatial technologies that have dramatically changed the way one interacts with the environment. Students acquire the geovisualization skills required to design meaningful maps in the context of the Geoweb, and are exposed to the growing body of literature that critically envisions the socio-political dimensions of these new forms of cartographic expression.

Component(s):

"Seminar"; "Laboratory"

GEOG 467 Environmental Modelling (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 362 or BIOL 322. Enrolment in the BSc Honours in Environmental and Sustainability Science or BA Honours in Human Environment is required. Permission of the Department is required.

Description:

The different approaches to modelling the biophysical, built, or human environment are examined. The conceptualization of simple models to examine how human interventions affect the environment is investigated. Different modelling approaches such as system models, computer visualization and simulation are covered. Students develop a model scheme related to a topic of interest.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for this topic under a GEOG 498 number may not take this course for credit.

GEOG 470 Environmental Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 375 or GEOG 377. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides students with an understanding and appreciation of the field of environmental management and its contribution to addressing the impacts of human activities on the natural environment. Assessment of the limitations associated with conventional command-and-control approaches to environmental management are considered. The course also focuses on emerging concepts and frameworks associated with a recent rethinking of environmental management approaches, including complex adaptive systems, social-ecological systems, and resilience.

Component(s):

"Seminar"

GEOG 473 Environment and Health (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits completed in the Human Environment, Environmental Geography, or Environmental and Sustainability Science program. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines geographical approaches to the study of health, focusing on the investigation of spatial variations in disease incidence, the ecology of selected diseases, and the links between health and the biophysical, social, and built environment. Focus is placed on critical examinations of approaches and methods of explanation.

Component(s):

"Lecture"

GEOG 474 Sustainable Forest Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GEOG 374. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course looks at changes in the exploitation and sustainable management of the forest resource in Canada and the United States. Topics include the evolution of harvesting strategies and their effect on species composition; the effects of

technological changes in cutting, transportation, and milling on forests; and the recent evolution of the tension between environmentalists and foresters. There is a mandatory field trip.

Component(s):

"Seminar"

GEOG 475 Water Resource Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 355; GEOG 375 or GEOG 377. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the complexity of, and necessity for, better water resource management from the viewpoint of ecological and economic sustainability as well as social equity and basic human health and dignity. Topics include the qualities, values, and uses of water — consumptive and non-consumptive, economic and environmental; major regional and global water management issues; factors affecting water supply reliability and challenges to maintain and improve long-term quality and equitable service in different situations; and the ways domestic, industrial, and agricultural water users can conserve water.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a GEOG 498 number may not take this course for credit.

GEOG 476 Indigenous and Environmental History of Americas since 1492 (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in a Human Environment, Environmental Geography, or Environmental and Sustainability Science program. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines environmental changes that have taken place since 1492 as a result of the Columbian exchange of peoples, plants, animals and diseases between the New and Old World. It concentrates primarily on the Americas, but also touches upon Old World impacts.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a GEOG 498 number may not take this course for credit.

GEOG 478 Climate Change: Science, Impacts and Policy (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 378 or equivalent. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the science, impacts and policy options surrounding recent and future global climate change. The first part of the course focuses on the basic science of global warming including the greenhouse effect, climate models, and predictions of future climate change, and an assessment of possible climate impacts. The course concludes with an overview of potential solutions to climate change, including national and international climate policy, energy alternatives, and technological approaches to reducing human impacts on the climate system.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a GEOG 498 number may not take this course for credit.

GEOG 479 Primate Behaviour, Ecology and Conservation (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in a Human Environment, Environmental Geography, or Environmental and Sustainability Science program. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys the behaviour, ecology and conservation of non-human primates living in the world today. Using contemporary evolutionary theory as a lens, the course covers taxonomy, evolutionary history, research methods, social behaviour, life history and ecology with conservation of non-human primate populations running as a central theme.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a GEOG 491 number may not take this course for credit.
- Students who have received credit for this topic under a GEOG 498 number may not take this course for credit.

GEOG 480 Economics for Sustainability (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GEOG 355 or GEOG 380. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the interplay between the economic sphere and the environment. The course addresses questions related to the notion of sustainability by alternative economic approaches with the tradition of ecological economics as its centrepiece. It focuses more broadly on sustainability, capitalism, justice, and inequality. In addition, the course explores economic alternatives such as degrowth and solidarity economies.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a GEOG 498 number may not take this course for credit.

GEOG 485 Feminist Geographies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 315. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course analyzes gender and socio-spatial relations of power. Specifically, this course engages with feminist thought through its intersections with anti-racist, queer, and emancipatory geographies. This is a discussion-based seminar which includes personal reflection on space, identity and difference, resistance and agency, as well as broader global and historical contexts.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a GEOG 498 number may not take this course for credit.

GEOG 487 Capstone Seminar in Environmental Science (3 credits)

(also listed as BIOL 487 and CHEM 487)

Prerequisite/Corequisite:

Completion of the core courses of the BSc Environmental and Sustainability Science is required.

Description:

The course is designed to integrate the knowledge from several courses and provide students an opportunity to apply this knowledge to a current issue in environmental sciences through experiential learning. Students work in small groups made up from participants of all streams and critically evaluate an environmental issue using the expertise of all participants. Examples could be the reclamation of a former mining site, plans for expansion of a landfill or plans for a new water treatment plant. Aspects evaluated include, but are not limited to, land use, impact on vegetation and biota, availability of critical chemical data (e.g. trace metals, water/runoff quality, and impact on the local population). The result is a detailed environmental assessment report prepared by students.

Component(s):

"Seminar"

Notes:

- Students who have received credit for BIOL 487 or CHEM 487 may not take this course for credit.

GEOG 490 Internship in Geography (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

Through a case study or practicum of 120 hours with a private or public institution, or community interest group, students acquire experience in a professional working environment.

Component(s):

"Reading"

GEOG 491 Honours Essay and Research Seminar (6 credits)

(also listed as URBS 491)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course is an advanced undergraduate research seminar which requires the student to propose and conduct a research project or research creation project, and produce a substantial report under the supervision of a faculty advisor.

Component(s):

"Seminar"

Notes:

- Students who have received credit for URBS 491 may not take this course for credit.

GEOG 495 Field Research (3 credits)

Prerequisite/Corequisite:

30 program credits Permission of the Department is required.

Description:

This course gives the student the experience of field research in human-environment interactions. The field excursion, often in combination with a local organization, is typically two or three weeks in duration.

Component(s):

"Field Studies"

GEOG 498 Advanced Topics in Geography (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule and Geography Course Guide.

GEOG 499 Advanced Topics in Geography (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and Geography Course Guide.

Geology Courses

GEOL 203 Introduction to Environmental Geology (3 credits)

Prerequisite/Corequisite:

It is recommended that students complete GEOL 210 prior to enrolling.

Description:

Environmental geology is concerned with the physical, chemical, and biological processes that have acted, and continue to act, upon the planet, shaping its evolution. The course examines the interactions of lithosphere, mantle, core, biosphere, atmosphere, cryosphere, and hydrosphere. The Earth's climate is in part determined by these Earth system interactions, and climate change throughout the Earth's history is a central theme of the course.

Component(s):

"Lecture"

GEOL 204 Natural Disasters (3 credits)

Description:

This course introduces students to natural disasters. Students gain an understanding of the geological and meteorological environments of the world that allow humans to plan for avoidance and mitigation of disasters. Topics may include plate tectonics, earthquakes, volcanoes, tsunamis, landslides and mudslides, hurricanes, floods, wildfires, ice storms, thunderstorms, and tornadoes.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a GEOL 298 number may not take this course for credit.

GEOL 206 Earthquakes, Volcanoes, and Plate Tectonics (3 credits)

Description:

This course is for students with little or no previous background in the earth sciences, providing an up-to-date account of our present knowledge of earthquakes and volcanoes, and the use of this information in the development of the theory of plate tectonics. Areas of concentration are: nature, distribution, and causes of earthquakes and volcanic eruptions, measuring earthquakes, great earthquakes and volcanic eruptions in world history, products of volcanic eruptions, and hazards from, and prediction of, earthquakes and volcanic eruptions. The theory of plate tectonics and the evolution of mountain belts of the world are studied.

Component(s):

"Lecture"

GEOL 208 The Earth, Moon and the Planets (3 credits)

Description:

The course emphasizes the cosmic perspective of the Earth and focuses attention on how the results of the last two decades of planetary exploration have brought about an intellectual revolution concerning the planets, especially their surface features, processes, and histories.

Component(s):

"Lecture"

GEOL 210 Introduction to the Earth (3 credits)

Description:

This course provides an overview of the physical processes that govern how the Earth works. Topics include origin of the solar system and Earth; analysis of the internal structure of the Earth; minerals and rocks; igneous and metamorphic processes; deformation of the crust; surficial processes, including weathering, deposition and glaciation. The course culminates with the integration of these geological processes in the theory of plate tectonics, and goes on to examine the interactions of crust, mantle, atmosphere, and biosphere from this perspective. Laboratory work includes the identification of rocks and minerals, map exercises, and a field trip.

Component(s):

"Lecture"; "Laboratory"

GEOL 216 Field Methods (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GEOL 210.

Description:

The purpose of this course is twofold: to learn the basic methods that geologists, physical geographers, and environmental scientists use in the field (including learning how to map, measuring stratigraphic sections, and solving field problems based on observations) and to become familiar with the immediate geological environment of the Montreal region from the young Quaternary sediments, Mesozoic intrusive rocks and Paleozoic assemblages (including rocks of the St. Lawrence Lowlands) to the ancient Precambrian, crystalline basement. Two-week field school in the spring, immediately after the final examination.

Component(s):

"Field Studies"

GEOL 298 Selected Topics in Geology (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and Geography Course Guide.

GEOL 302 Palaeobiology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GEOL 210.

Description:

General discussion covers taphonomy, processes and patterns of evolution, extinction, ontogeny, palaeoecology and taxonomy. Systematics, morphology, biostratigraphic value of selected macro-invertebrate fossils will be included in the latter half of the course.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for GEOL 212 may not take this course for credit.

GEOL 331 Evolution of the Earth (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: GEOL 210. If prerequisites are not satisfied, permission of the Department is required.

Description:

The geological evolution of planet Earth is studied in the context of the theory of plate tectonics using interpretations of stratigraphic, structural, seismic, paleontologic, and geochronologic data. A systematic review of the geological evolution of the Earth and development of life forms is examined from the time of formation of the Earth to the present, including case studies of mountain belts. In the lab, rock suites and geological maps representative of different periods of Earth history are examined.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for GEOL 310 may not take this course for credit.

GEOL 398 Selected Topics in Geology (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and Geography Course Guide.

GEOL 414 Undergraduate Research (6 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours program, and must be in third-year standing.

Description:

Honours students in their final year are expected to show competence in isolating and examining a geological problem under the supervision of a faculty advisor. A written application to take the course, including a brief outline of the research project, must be made to the Department before April 15 of the second year. The application is reviewed by a committee and a decision forwarded by mail. The results of research must be presented in the form of an undergraduate thesis, two copies of which must be submitted by April 1.

Component(s):

"Research"

Notes:

- Written requests from specialization students, with appropriate academic records, to take the course will be considered.

GEOL 415 Plate Tectonics and Crustal Evolution (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOL 210; GEOL 331 or GEOG 377. If prerequisites are not satisfied, permission of the Department is required.

Description:

Techniques of data collection in tectonics. Structure and rheology of the upper mantle. Tectonics of crustal types to include shields, platforms, passive continental margins, phanerozoic foldbelts, continental rifts, island-arc trench belts and oceanic rises, sea-floor spreading, plate tectonics, magma associations, and plate reconstructions. Crustal origin and growth.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for GEOL 315 may not take this course for credit.

GEOL 440 Seminar in Current Research on Environmental Earth Science (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOL 331 or GEOG 377, or 60 credits in an Engineering program. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course covers current research in environmental Earth science; topics vary from year to year, but will generally include: mantle-biosphere-atmosphere interactions, the carbon and methane cycles, and the geological climate record. Evaluation is based on seminar participation and written work.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a GEOG 498 or GEOL 498 number may not take this course for credit.

GEOL 498 Advanced Topics in Geology (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and Geography Course Guide.

Urban Planning and Urban Studies Courses

URBS 230 Urbanization: Global and Historical Perspectives (3 credits)

Description:

This course examines how and why cities grow and change over time. The relationships between socio-cultural, economic, and physical aspects of urban development are considered at the local, city, and regional scales.

Component(s):

"Lecture"

URBS 240 Planning (3 credits)

Description:

This course examines the emergence and evolution of contemporary planning ideas within the broader historical context of 19th- and 20th-century city development. Special attention is given to how planning theories and practices have informed the development and management of urban, suburban and rural environments.

Component(s):

"Lecture"; "Tutorial"

URBS 250 Representation Methods in Urban Studies (3 credits)

Description:

This course introduces students to theories and methods of graphic representation. It focuses on methods used to analyze and communicate data with an emphasis on spatial information on built and social environments. The representation methods include two- and three-dimensional views, cartography, as well as data visualization. Physical and digital tools are covered.

Component(s):

"Lecture"; "Laboratory"

URBS 260 Analytical Methods in Urban Studies (3 credits)

Description:

This is an introduction to qualitative research skills associated with urban studies. The emphasis is on the use of data sources and collection techniques along with analytical procedures appropriate to questions of urban planning and public policy.

Component(s):

"Lecture"; "Laboratory"

URBS 298 Selected Topics in Urban Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and Geography Course Guide.

URBS 300 Neighbourhood and Community Planning (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 220 or URBS 230.

Description:

This course examines theories, issues, and techniques of community-level planning in urban and suburban environments. Particular place-based or identity-based communities and their participation in planning processes are considered. Models of community change and local development are reviewed, along with the policies and supportive infrastructure in cities, including Montreal. Local governance, decision-making, and public participation are considered in light of municipal and regional institutions which currently predominate in Canada's metropolitan areas.

Component(s):

"Lecture"

URBS 310 Urban Transportation (3 credits)

(also listed as GEOG 333)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 220 or URBS 230. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the past evolution and recent functioning of various transport modes in cities around the world. Recent debates about desirable levels of car, transit, and non-motorized modes feature prominently. Techniques of analyzing urban transport and public policy options are considered in light of burgeoning concerns about sustainable development and the worldwide growth of motorization.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GEOG 333 may not take this course for credit.

URBS 333 Urban Laboratory (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: URBS 250 and URBS 260. Enrolment in the BA Honours in Urban Planning or BA Specialization in Urban Planning is required.

Description:

With an emphasis on first-hand knowledge of an area-based problem, students study an urban problem and simulate solutions. Theory and case studies are used to develop appropriate interventions. Plans are prepared and, under the supervision of the professor, are evaluated by the peer group and experts in the field.

Component(s):

"Lecture"; "Laboratory"

URBS 335 Geographic Information Systems (3 credits)

(also listed as GEOG 363)

Prerequisite/Corequisite:

The following course must be completed previously: URBS 250.

Description:

This course is an introduction to current theoretical and practical approaches to Geographic Information Systems (GIS) through which students acquire basic skills and understanding in the use of GIS for spatial analysis. Training is centred on a series of practical assignments using GIS software and for the term project, students explore the potential of GIS for addressing a real-world problem.

Component(s):

"Lecture"; "Tutorial"; "Laboratory"

Notes:

- Students who have received credit for GEOG 363 may not take this course for credit.

URBS 337 Urban Agriculture (3 credits)

(also listed as GEOG 323)

Prerequisite/Corequisite:

The following courses must be completed previously: URBS 230 or GEOG 220. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the history and practice of producing food in cities. Students explore the tensions between the politics, economies and ecologies that organize urban food production and the everyday ways people raise and access food in varied urban contexts. The course also critically evaluates food-based social movements: their limits, possibilities and connections to wider struggles for socio-economic justice.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GEOG 323 or for this topic under a GEOG 398 or URBS 398 number may not take this course for credit.

URBS 338 Urban Ecology (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Focusing on the impacts of human activities on fauna, flora, soils and air, this course introduces students to ecosystems found in urban environments. This course also examines the flux of energy and materials to and from the city, and places a strong emphasis on policy and planning practices related to urban forestry site restoration, greening initiatives, environmental justice, and on practices that foster biodiversity and responsible resource management. The course also looks at historical and contemporary views on the relationship between the city and nature.

Component(s):

"Lecture"

URBS 362 Quantitative Research Methods (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: URBS 260.

Description:

This course covers the most commonly employed methods for quantitative social science research. Students are taught the basics of introductory classical statistics (both descriptive and inferential) and gain experience applying these methods with commonly used software tools and real-world data.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for URBS 360 may not take this course for credit.

URBS 370 Housing Policy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: URBS 230. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an overview of housing problems and policies in modern capitalist cities, examining the nature of housing problems, the actors involved in the housing field, and the major policies that have addressed and/or worsened various housing problems.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an URBS 398 number may not take this course for credit.

URBS 380 Urban and Regional Economic Development (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: URBS 230, URBS 240.

Description:

This course draws on economic and geographical concepts to examine the process of urbanization. Students begin by focusing on the conventional tools and models for analyzing the nature and structure of cities, and at theories concerning the location of economic activity. It also examines key planning issues associated with the (evolving) role of cities as place of production, distribution, and consumption and considers the role of public policy in addressing these issues. Methods for defining and measuring urban economies for the purpose of analysis are reviewed.

Component(s):

"Lecture"

URBS 393 Law and Regulation in Urban Planning (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: URBS 230 and URBS 240.

Description:

Urban planning as governmental activity is defined by planning legislation in Quebec. This course covers the major bodies of legislation relevant to urban plans, local development plans, environmental protection, agricultural land preservation, heritage, and economic development. The law is a framework for development control and direct intervention at municipal, regional and provincial levels.

Component(s):

"Lecture"

Notes:

- Students who have received credit for URBS 293 may not take this course for credit.

URBS 398 Selected Topics in Urban Studies (3 credits)

Description:

Special topics in urban studies.

URBS 420 Social Geographies of Montreal (3 credits)

(also listed as GEOG 430)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 315 or GEOG 330. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the social and cultural geographies of Montreal with particular emphasis on how the spatial distribution of communities influences urban planning and public policy at the local and regional levels. Complex webs of identities and solidarities informed by socio-economic, linguistic, ethno-cultural, and sexual orientation factors shape the city living experience of individuals and populations alike. Through lectures, discussions, assignments and field trips, students are introduced to a variety of analytical perspectives that investigate the socio-cultural dynamics that contribute to shaping urban settlements, human-environment interactions and local social networks.

Component(s):

"Seminar"

Notes:

- Students who have received credit for GEOG 430 may not take this course for credit.

URBS 433 Advanced Urban Laboratory (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: URBS 333 and URBS 393.

Description:

This is an advanced course in urban design. An overview of current theory and practice is presented. An urban problem is developed and appropriate interventions are considered. These interventions are simulated and the results assessed.

Component(s):

"Lecture"; "Laboratory"

URBS 440 Urban Policing and Security (3 credits)

Prerequisite/Corequisite:

Enrolment in the Honours in Urban Planning, Specialization in Urban Planning, Major in Urban Studies, Minor in Urban Studies, Minor in Black and African Diaspora Studies in the Canadian Context, or the Certificate in Black and African Diaspora Studies in the Canadian Context is required. Students must have completed 48 credits prior to enrolling.

Description:

This course examines how urban policing and security are understood and governed in modern cities through institutions operating at multiple scales. Though significant attention is paid to urban police forces, the course also examines how urban security concerns are addressed by broader-scale institutions like border and immigration enforcement bodies, as well as institutions concerned with other urban issues, like planning, housing, and education. Broader questions raised by discussions of security, including the possibilities for social and racial equity in urban planning and governance, are explored.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under an URBS 498 number may not take this course for credit.

URBS 450 Economic Restructuring (3 credits)

(also listed as GEOG 450)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 330 or GEOG 380 or URBS 380. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the nature of firm restructuring in late capitalism and the implications that industrial restructuring trends are having for the geography of industries, the structure of firms, workplace relations and workers' rights. It examines the new challenges that restructuring presents for both economic development prospects and labour market policies, as well as looks at contemporary initiatives to promote more socially and environmentally sustainable development paths.

Component(s):

"Seminar"

Notes:

- Students who have received credit for GEOG 450 may not take this course for credit.

URBS 460 Reading the Urban Form (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: URBS 360 or URBS 362 and completion of 48 university credits. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on the physical reality of the city, or its urban form, as well as the ongoing process of city building and urban morphogenesis. It introduces tools to properly describe, quantify, and interpret urban form in its spatial and temporal dimensions. It seeks to develop a better understanding of the processes of which the contemporary urban artifact is the result. Along with theoretical presentations, the course makes use of case studies conducted in different urban and cultural contexts, and introduces many examples of practical applications of morphological analysis in urban planning and design.

Component(s):

"Seminar"

URBS 470 Public Infrastructure Finance for Planners (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: URBS 380. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on public infrastructure finance practices in Canada, with an emphasis on types of infrastructure of direct importance to urban planners: roads and bridges, public transit, water, sewerage and wastewater treatment. Public revenues including taxes, user charges, development charges, debt financing, as well as the use of public-private partnerships and intergovernmental transfer payments are examined with the aid of case studies. Specific projects and practices are compared and contrasted with those from other provinces or other countries.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an URBS 498 number may not take this course for credit.

URBS 475 Community and Regional Planning in a Changing Climate (3 credits)

Prerequisite/Corequisite:

Enrolment in the Honours in Urban Planning, Specialization in Urban Planning, Major in Urban Studies, or Minor in Urban Studies is required. Students must have completed 48 credits prior to enrolling.

Description:

This course examines how local communities are engaging in climate action, as well as community and regional planning tools for achieving decarbonization and reducing vulnerability to climate risks. Students learn about requirements and guidelines for local climate action, strategic planning tools for creating climate change policies, measuring local GHG emissions and assessing local climate change risks, and options for implementing climate action.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under an URBS 498 number may not take this course for credit.

URBS 480 Impact Assessment (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: URBS 360 or URBS 362 and completion of 48 university credits. If prerequisites are not satisfied, permission of the Department is required.

Description:

The impacts of projects on urban and suburban communities and the environment are studied within the context of environmental protection legislation. The methods of assessment are then applied to specific cases.

Component(s):

"Seminar"

URBS 481 Urban Planning in the Developing World (3 credits)

(also listed as GEOG 431)

Prerequisite/Corequisite:

The following courses must be completed previously: GEOG 330 or URBS 380. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the growth and planning of large metropolitan areas in developing nations. Issues and problems associated with recent urbanization are examined along with potential solutions offered by urban planning and public policies. The planning roles of institutions including governments, multi-lateral development agencies, and non-governmental organizations are reviewed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GEOG 431 may not take this course for credit.

URBS 483 Directed Studies/Practicum in Urban Planning I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Urban Planning is required. Students must have completed 60 university credits prior to enrolling.

Description:

Through a case study or practicum of 120 hours with a private or public institution, or community interest group, students acquire experience in a professional working environment.

Component(s):

"Conference"

URBS 484 Directed Studies/Practicum in Urban Planning II (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Urban Planning is required. Students must have completed 60 university credits prior to enrolling.

Description:

Through a case study or practicum of 120 hours with a private or public institution, or community interest group, students acquire experience in a professional working environment.

Component(s):

"Reading"

URBS 490 Public Space and the Public Interest (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: URBS 360 or URBS 362 and completion of 48 university credits. If prerequisites are not satisfied, permission of the Department is required.

Description:

Public space is understood as physical space, as well as the space of media and communications, which are openly accessible to all members of a community. Changing definitions of public space are examined in the context of societal and cultural change. The roles of agents and stakeholders in changing the definitions of public interest are also examined. Legal and normative frameworks for the definition of space, control, and access are also introduced.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under an URBS 498 number may not take this course for credit.

URBS 491 Honours Essay and Research Seminar (6 credits)

(also listed as GEOG 491)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course is an advanced undergraduate research seminar which requires the student to propose and conduct a research project or research creation project, and produce a substantial report under the supervision of a faculty advisor.

Component(s):

"Seminar"

Notes:

- Students who have received credit for GEOG 491 may not take this course for credit.

URBS 495 Field Research (3 credits)

Prerequisite/Corequisite:

Students must have completed 60 university credits prior to enrolling. Permission of the Department is required.

Description:

The political, social, and cultural realities of planning in a setting are explored in a field course. Preparation (course meetings and readings) for the field experience at the University is followed by on-site research in the chosen city, where a field investigation is conducted, usually in collaboration with local partner organizations.

Component(s):

"Field Studies"

URBS 498 Advanced Topics in Urban Studies (3 credits)

Description:

Special topics in urban studies.

Section 31.160 Department of History

Department of History

History Programs

English and History

BA Joint Specialization in English and History

History

BA Honours in History

BA Specialization in History

BA Major in History

Minor in History

Law and Society

Minor in Law and Society

History Course Groups

Department of History Courses

Department of History

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/history.html

Department Objectives

It is the mission of the Department of History not only to train historians but to produce articulate and informed graduates who share its commitment to serving the broader community. The Department therefore encourages strength in both teaching and research, responsiveness to a wide range of intellectual perspectives, and involvement in community affairs.

BA Joint Specialization in English and History

Program Requirements

Joint Specialization in English and History (60 credits)

6 credits:

- ENGL 261 Literatures in English before 1660 (3.00)
- ENGL 262 Literatures in English after 1660 (3.00)

6 credits of English courses chosen from the following course group:

Periods before 1800 (British) Literature

6 credits of English courses chosen from the following course groups:

Canadian Literature

American Literature

Postcolonial English Literature

6 credits of English courses chosen from the following course group:

19th-Century and 20th-Century (British and European) Literature

6 credits chosen from any of the following English course groups:

200-level English Literature Electives

Periods before 1800 (British) Literature

19th-Century and 20th-Century (British and European) Literature

Canadian Literature

American Literature

Indigenous Literature

Literary Theory or History of Criticism

Modern and Contemporary Literature

Postcolonial Literature

Topics and Independent Study Courses

3 credits:

- HIST 200 Introduction to History (3.00)

12 credits of History Courses at the 200 level

9 credits of History Courses at the 300 level

6 credits of History Courses at the 300 or 400 level

Note: Students must take at least three credits from each of the following groups in any combination at the 200, 300 or 400 level:

Global/Thematic/Public History

History of Asia/Africa

History of Europe

History of the Americas

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Honours in History

Program Requirements

Honours in History (60 credits)

60 credits chosen from the following options:

Honours Essay Option: History

Seminar Option: Honours in History

Public History with Internship Option: Honours in History

Honours Essay Option: History (60 credits)

3 credits:

- HIST 200 Introduction to History (3.00)

15 credits of History courses at the 200 level

15 credits of History courses at the 300 level

15 credits:

- HIST 304 Tutorial Preparation for the Honours Essay (3.00)
- HIST 402 The Philosophy and Practice of History (3.00)
- HIST 403 Methodology and History (3.00)
- HIST 493 Honours Essay Tutorial (6.00)

12 credits of History seminar courses at the 400 level

Note: Students must take at least three credits from each of the following groups in any combination at the 200, 300 or 400 level:

Global/Thematic/Public History

History of Asia/Africa

History of Europe

History of the Americas

Seminar Option: Honours in History (60 credits)

3 credits:

- HIST 200 Introduction to History (3.00)

15 credits of History courses at the 200 level

18 credits of History courses at the 300 level

6 credits:

- HIST 402 The Philosophy and Practice of History (3.00)
- HIST 403 Methodology and History (3.00)

18 credits of History seminar courses at the 400 level

Note: Students must take at least three credits from each of the following groups in any combination at the 200, 300 or 400 level:

Global/Thematic/Public History

History of Asia/Africa

History of Europe

History of the Americas

Public History with Internship Option: Honours in History (60 credits)

3 credits:

- HIST 200 Introduction to History (3.00)

15 credits of History courses at the 200 level

9 credits of History courses at the 300 level

3 credits:

- HIST 306 History and the Public (3.00)

6 credits chosen from:

- HIST 379 History through Visual Media and Performance (3.00)
- HIST 380 History and Digital Media (3.00)
- HIST 381 The Politics of the Past (3.00)
- HIST 387 Selected Topics in Public History (3.00)
- HIST 388 Oral History and Creative Practice (3.00)
- HIST 389 Ethnography: Doing Micro-History of the Present (3.00)
- HIST 390 Urban History Laboratory (3.00)

- HIST 397 History and Sound (3.00)

6 credits:

- HIST 402 The Philosophy and Practice of History (3.00)
- HIST 403 Methodology and History (3.00)

9 credits of History seminar courses at the 400 level

9 credits:

- HIST 481 Advanced Study in Public History (3.00)
- HIST 485 Public History Workshop (3.00)
- HIST 486 Public History Internship (3.00)

Note: Students must take at least three credits from each of the following groups in any combination at the 200, 300 or 400 level:

Global/Thematic/Public History

History of Asia/Africa

History of Europe

History of the Americas

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must have a minimum cumulative GPA of 3.3 (B+).
- All students must maintain a minimum cumulative GPA of 3.3 as well as a minimum assessment GPA of 3.3 within courses in History.
- The minimum acceptable grade in any course is normally “C.”
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in History

Program Requirements

Specialization in History (60 credits)

3 credits:

- HIST 200 Introduction to History (3.00)

21 credits of History courses at the 200 level

30 credits of History courses at the 300 level

6 credits chosen from History courses at the 300 or 400 level

Note: Students must take at least three credits from each of the following groups in any combination at the 200, 300 or 400 level:

Global/Thematic/Public History

History of Asia/Africa

History of Europe

History of the Americas

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Major in History

Program Requirements

Major in History (42 credits)

3 credits:

- HIST 200 Introduction to History (3.00)

15 credits of History courses at the 200 level

18 credits of History courses at the 300 level

6 credits of History courses at the 300 or 400 level

Note: Students must take at least three credits from each of the following groups in any combination at the 200, 300 or 400 level:

Global/Thematic/Public History

History of Asia/Africa

History of Europe

History of the Americas

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in History

Program Requirements

Minor in History (24 credits)

3 credits:

- HIST 200 Introduction to History (3.00)

9 credits of History courses at the 200 level

12 credits of History courses at the 300 level

Note: Students must take at least three credits from each of the following groups in any combination at the 200, 300 or 400 level:

Global/Thematic/Public History

History of Asia/Africa

History of Europe

History of the Americas

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Law and Society

Program Requirements

Minor in Law and Society (24 credits)

3 credits:

- LAWS 2000 Introduction to Law and Society (3.00)

6 credits chosen from:

- ANTH 202 Introduction to Culture (3.00)
- HIST 205 History of Canada, Post-Confederation (3.00)
- POLI 204 Introduction to Canadian Politics (3.00)
- SCPA 204 Introduction to Canadian Politics (3.00)
- SOCI 261 Social Problems (3.00)

Note: Students whose major program is in one of these units must draw from the other units.

15 credits chosen from the following courses, of which no more than 3 credits may be at the 200 level and no more than 12 credits may be from one unit:

- ANTH 363 Law and Society (3.00)
- ANTH 380 Contemporary Issues in Human Rights (3.00)
- FPST 301 The Indian Act (3.00)
- FPST 321 First Peoples and Justice (3.00)
- HIST 309 Law and Society in Canadian History (3.00)
- HIST 315 Rights and Freedoms in Canadian Society (3.00)
- HIST 336 Deviancy and Orthodoxy in the History of Mexico (3.00)
- HIST 339 Crime and Punishment in Canadian History (3.00)
- HIST 342 Crime and Punishment in Medieval Europe (3.00)
- HIST 348 History of Violence: Middle East 1798 – Present (3.00)
- HIST 359 The History and Sociology of Genocide to 1945 (3.00)
- HIST 360 The History and Sociology of Genocide from 1945 to the Present (3.00)
- LAWS 4100 Advanced Topics in Law and Society (3.00)
- LAWS 4800 Cour du Québec Internship (3.00)
- LAWS 4900 Independent Research Project in Law and Society (3.00)
- PHIL 343 Philosophy of Law: General Jurisprudence (3.00)

- POLI 300 Not-for-Profit Organizations and the Law (3.00)
- POLI 311 International Public Law (3.00)
- POLI 320 Development of Western Legal Systems (3.00)
- POLI 321 Canadian and Quebec Law (3.00)
- POLI 324 Parliament and the Charter (3.00)
- POLI 325 Administrative Law (3.00)
- POLI 328 Public Policy and the Politics of Equality (3.00)
- POLI 387 Islamic Law and Society (3.00)
- POLI 388 Human Rights and International Justice (3.00)
- PSYC 242 Psychology and the Law (3.00)
- RELI 312 Justice and Social Conflict in a Globalized World (3.00)
- SOCI 262 Social Deviance (3.00)
- SOCI 263 Youth Crime and Deviance (3.00)
- SOCI 362 Introduction to Criminology (3.00)
- SOCI 363 Law and Society (3.00)
- SOCI 366 The History and Sociology of Genocide to 1945 (3.00)
- SOCI 367 The History and Sociology of Genocide from 1945 to the Present (3.00)
- SOCI 380 Contemporary Issues in Human Rights (3.00)
- WSDB 300 Feminist Perspectives on Human Rights (3.00)
- WSDB 301 Canada, Colonization and Law (3.00)
- WSDB 400 Gender Justice in Canadian Law and Policy (3.00)

Notes

- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.
- Students are responsible for satisfying their particular degree requirements.

History Course Groups

Global/Thematic/Public History

- HIST 274 The Atlantic World (3.00)
- HIST 2800 Performance and History (3.00)
- HIST 281 Film in History (3.00)
- HIST 2820 Thinking With Things: History and Culture Through Objects (3.00)
- HIST 283 The 20th Century: A Global History (3.00)
- HIST 2840 Introduction to Environmental History (3.00)
- HIST 306 History and the Public (3.00)
- HIST 308 Cultures in Contact: A History of Migration (3.00)
- HIST 3081 Forced Migration and Displacement in the Middle East (3.00)
- HIST 328 The Scientific Revolution (3.00)
- HIST 329 Music in History (3.00)
- HIST 332 United States, Cuban and Mexican Relations (3.00)
- HIST 338 History and the Graphic Novel (3.00)
- HIST 346 Sexuality in History (3.00)
- HIST 3520 American Capitalism (3.00)
- HIST 359 The History and Sociology of Genocide to 1945 (3.00)
- HIST 360 The History and Sociology of Genocide from 1945 to the Present (3.00)
- HIST 3620 African Slavery in Global Perspective (3.00)
- HIST 365 Human Rights and Genocide Prevention in History (3.00)
- HIST 3750 Global History in the Indian Ocean World (3.00)
- HIST 379 History through Visual Media and Performance (3.00)
- HIST 380 History and Digital Media (3.00)
- HIST 381 The Politics of the Past (3.00)
- HIST 387 Selected Topics in Public History (3.00)
- HIST 388 Oral History and Creative Practice (3.00)
- HIST 389 Ethnography: Doing Micro-History of the Present (3.00)
- HIST 390 Urban History Laboratory (3.00)
- HIST 3931 Drugs in History (3.00)
- HIST 394 Food in History (3.00)
- HIST 395 Global Environmental History (3.00)

- HIST 3951 History of the Climate Crisis (3.00)
- HIST 397 History and Sound (3.00)
- HIST 445 Advanced Study in Global and Thematic History (3.00)
- HIST 475 Advanced Study in the History of Gender and Sexuality (3.00)
- HIST 477 Advanced Study in the History of Human Rights and Justice (3.00)
- HIST 479 Advanced Study in Women's History (3.00)
- HIST 481 Advanced Study in Public History (3.00)
- HIST 485 Public History Workshop (3.00)
- LAWS 2000 Introduction to Law and Society (3.00)

History of Asia or Africa

- HIST 242 History of the Middle East (3.00)
- HIST 261 History of South Asia (3.00)
- HIST 262 History of China (3.00)
- HIST 263 History of Japan (3.00)
- HIST 264 History of Africa (3.00)
- HIST 3081 Forced Migration and Displacement in the Middle East (3.00)
- HIST 3430 History of the Ottoman Empire (3.00)
- HIST 345 Postwar Japanese History (3.00)
- HIST 347 Gender and Sexuality in South Asia (3.00)
- HIST 348 History of Violence: Middle East 1798 – Present (3.00)
- HIST 363 Africa in the 20th Century (3.00)
- HIST 364 Modern South Asia (3.00)
- HIST 366 Early Modern China (3.00)
- HIST 367 Modern China (3.00)
- HIST 368 African Popular Culture (3.00)
- HIST 369 Middle East: Empire, Gender, and Sexuality in Modern Times (3.00)
- HIST 370 Japanese Popular Culture (3.00)
- HIST 373 The Pacific War (3.00)
- HIST 374 Egypt and the World Since 1798 (3.00)
- HIST 3750 Global History in the Indian Ocean World (3.00)
- HIST 462 Advanced Study in Asian History (3.00)

- HIST 467 Advanced Study in Middle Eastern History (3.00)
- HIST 471 Advanced Study in African History (3.00)

History of Europe

- HIST 202 Modern Europe (3.00)
- HIST 206 Medieval Europe (3.00)
- HIST 207 Early Modern Europe (3.00)
- HIST 208 Introduction to the History of the Balkans (3.00)
- HIST 211 History of Ireland (3.00)
- HIST 235 The Holocaust (3.00)
- HIST 326 Reformations in Early Modern Europe (3.00)
- HIST 328 The Scientific Revolution (3.00)
- HIST 340 Early Modern Britain and Ireland (3.00)
- HIST 342 Crime and Punishment in Medieval Europe (3.00)
- HIST 3430 History of the Ottoman Empire (3.00)
- HIST 344 Rise and Fall of Yugoslavia (3.00)
- HIST 350 Medieval England (3.00)
- HIST 351 England in the Reign of Henry VIII (3.00)
- HIST 371 History of the Russian Revolutionary Movement, 1825-1922 (3.00)
- HIST 377 History of Russia, 1694-1917 (3.00)
- HIST 378 History of the Soviet Union (3.00)
- HIST 382 Age of Enlightenment (3.00)
- HIST 383 Age of Revolution (3.00)
- HIST 385 Age of Dictators: Europe, 1914-1945 (3.00)
- HIST 386 Contemporary Europe: 1945 to the Present (3.00)
- HIST 392 War, Peace, and Society in France since 1870 (3.00)
- HIST 437 Advanced Study in European History (3.00)

History of the Americas

- HIST 203 History of Canada, Pre-Confederation (3.00)
- HIST 205 History of Canada, Post-Confederation (3.00)
- HIST 209 Quebec to 1867 (3.00)

- HIST 210 Quebec since Confederation (3.00)
- HIST 251 History of the United States to the Civil War Era (3.00)
- HIST 253 History of the United States since the Civil War Era (3.00)
- HIST 276 History of Latin America: The Colonial Period (3.00)
- HIST 277 History of Latin America: The Modern Period (3.00)
- HIST 302 The Invasion of America: European Colonization and Indigenous Resistance before 1800 (3.00)
- HIST 303 Native North American History Since 1800 (3.00)
- HIST 307 History of Montreal (3.00)
- HIST 309 Law and Society in Canadian History (3.00)
- HIST 313 Quebec in the 19th Century (3.00)
- HIST 314 Quebec in the 20th Century (3.00)
- HIST 315 Rights and Freedoms in Canadian Society (3.00)
- HIST 318 Modernist New York (3.00)
- HIST 320 American Culture, 1900–1945 (3.00)
- HIST 321 American Culture Since 1945 (3.00)
- HIST 324 United States, 1877-1924 (3.00)
- HIST 333 History of Haiti: From Contact to Independence (3.00)
- HIST 334 History of Haiti: From Independence to Present (3.00)
- HIST 336 Deviancy and Orthodoxy in the History of Mexico (3.00)
- HIST 339 Crime and Punishment in Canadian History (3.00)
- HIST 353 Colonial America and the Atlantic World (3.00)
- HIST 3520 American Capitalism (3.00)
- HIST 354 Revolutionary America (3.00)
- HIST 355 United States in the 19th Century, 1815–1850 (3.00)
- HIST 356 United States in the 19th Century: The Era of the Civil War (3.00)
- HIST 357 Foreign Relations of the United States to 1945 (3.00)
- HIST 358 Foreign Relations of the United States, 1945 to the Present (3.00)
- HIST 372 Latin American History Via the Novel (3.00)
- HIST 376 The Caribbean and the Atlantic World (3.00)
- HIST 396 The United States Since 1945 (3.00)
- HIST 412 Advanced Study in Canadian History (3.00)
- HIST 452 Advanced Study in American History (3.00)
- HIST 457 Advanced Study in Latin American and Caribbean History (3.00)

Department of History Courses

Quick Links

History Courses

Law and Society Courses

History Courses

HIST 200 Introduction to History (3 credits)

Description:

This course examines the methods and philosophy of history in specialized study of a selected subject. It offers an introduction to historical argumentation, research skills, and the interpretation of primary and secondary sources. The course will build skills in persuasive writing, library research, critical reading of documents, and the analysis of historical problems.

Component(s):

"Seminar"

HIST 202 Modern Europe (3 credits)

Description:

A survey of the history of Europe from the French Revolution to the present, with emphasis on the development of ideas and political institutions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 202 may not take this course for credit.

HIST 203 History of Canada, Pre-Confederation (3 credits)

Description:

A survey of Canadian history, from settlement to Confederation, emphasizing readings and discussions on selected problems.

Component(s):

"Lecture"; "Conference"

Notes:

- Students who have received credit for HISW 203 may not take this course for credit.

HIST 205 History of Canada, Post-Confederation (3 credits)

(also listed as SCPA 205)

Description:

A survey of Canadian history from Confederation to the present, emphasizing readings and discussions on selected problems.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 205 or SCPA 205 may not take this course for credit.

HIST 206 Medieval Europe (3 credits)

Description:

A survey of the history of Europe during the Middle Ages, from the fifth century to the 15th century, with consideration of political, social, economic, intellectual, and religious developments.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 201 or HISW 206 may not take this course for credit.

HIST 207 Early Modern Europe (3 credits)

Description:

This course offers an introduction to European history from the 15th through the 18th centuries. It encompasses the Renaissance, the Reformation, the Scientific Revolution, and the Enlightenment. Other topics include European contact with the New World, the formation of commercial and colonial empires, the related transformation of economic and social relations in Europe, and arguably the first modern political revolutions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 201 or HISW 207 may not take this course for credit.

HIST 208 Introduction to the History of the Balkans (3 credits)

Description:

This course surveys the history of Europe through the Balkans (a region consisting of present-day Bulgaria, Romania, Macedonia, Albania, Greece, Montenegro, Kosovo/Kosova, Serbia, Bosnia-Herzegovina, and Croatia), from the pre-modern period to the present day. Emphasis is placed on the cultural diversity of the region and its impact on peace and conflict. Topics include the rise and fall of empires, economic change, religious transformation, violence, and the impact of ideologies such as nationalism, democracy, fascism, and communism.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 208 may not take this course for credit.

HIST 209 Quebec to 1867 (3 credits)

Description:

An introductory survey of the history of Quebec from its origins as a colony to the creation of modern Canada by the British North American Act of 1867. Particular emphasis is placed on a consideration of those elements of Quebec's past which best assist in the comprehension of the trends prevalent in modern Quebec.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 209 may not take this course for credit.

HIST 210 Quebec since Confederation (3 credits)

(also listed as SCPA 210)

Description:

A survey of the history of Quebec from the time of Confederation until the present. While due emphasis is placed on political developments in the province, the purpose of the course is to acquaint the student with the significant economic and social trends in modern Quebec.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 210 or SCPA 210 may not take this course for credit.

HIST 211 History of Ireland (3 credits)

(also listed as IRST 211)

Description:

After establishing some broader historical context, this survey course traces modern Irish history in the 18th, 19th and 20th centuries. Special attention is given to the development of Irish nationalism and relations with Great Britain.

Component(s):

"Lecture"

Notes:

- Students who have received credit for IRST 211 or for this topic under an IRST 298 number may not take this course for credit.

HIST 212 The Irish in Canada (3 credits)

(also listed as IRST 210)

Description:

From 17th-century fishermen and traders arriving in Newfoundland to displaced victims of the Famine in the 19th century, to contemporary immigrants from Ireland, the Irish have had a presence in all parts of Canada from the earliest days of settlement. This course examines the emigration and settlement patterns of Irish immigrants in the various regions of Canada across a period of three centuries, paying particular attention to their role in the social, economic, political, cultural, and educational development of Canadian society. The course explores the various strategies by which Irish immigrants both adapted to and transformed the particular host society in which they found themselves, and looks at other immigrant communities as a means of understanding the special contribution of the Irish to Canada.

Component(s):

"Lecture"

Notes:

- Students who have received credit for IRST 210 or for this topic under a HIST 398 or IRST 398 number may not take this course for credit.

HIST 213 The Irish in Montreal (3 credits)

(also listed as IRST 205)

Description:

Drawing on a diversity of historiographical materials, this interdisciplinary course examines the story of the Irish in Canada with a particular emphasis on Quebec, from the French colonial period through the City of Montreal's golden era of mercantile prominence in the mid-19th century to the break-up of its older Irish neighbourhoods a century later. Starting with the demographics of Irish immigration and settlement, it devotes special attention to social and cultural relations between the Irish and other ethnic groups.

Component(s):

"Lecture"

Notes:

- Students who have received credit for IRST 205 or for this topic under a HIST 398 or IRST 398 number may not take this course for credit.

HIST 219 Ancient Near East (3 credits)

(also listed as CLAS 230)

Description:

A political, social, economic, and intellectual history of the ancient Near East, this course surveys the period from the origins of civilization in the middle of the fourth millennium to Alexander the Great's conquest of the Persian Empire in the latter part of the fourth century BC.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 230 may not take this course for credit.

HIST 223 Greek History from the Bronze Age to Alexander (3 credits)

(also listed as CLAS 240)

Description:

This course offers a political, social, economic, and cultural history of Greece from the Minoan-Mycenaean period in the second millennium to the end of Classical Greek civilization in the fourth century BC, with special emphasis placed upon Athens.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 240 may not take this course for credit.

HIST 225 History of the Roman Republic (3 credits)

(also listed as CLAS 242)

Description:

This course offers a political, social, economic and cultural history of Rome from the city's origins to the establishment of the Roman Empire under the Emperor Augustus.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 242 may not take this course for credit.

HIST 235 The Holocaust (3 credits)

(also listed as RELI 235)

Description:

Beginning with a discussion of Jewish communities in Europe and America before 1933, this course traces the evolution of anti-Semitism, nationalism, and racism, the rise of Hitler and the Nazi movement, the shaping of Nazi ideology, the growing demonization of the victims of the Holocaust and the genocide against them in their various countries, resistance by the victims, and the parts played by bystanders in the outcome of the Holocaust.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 235, RELI 235 or RELI 338 may not take this course for credit.

HIST 242 History of the Middle East (3 credits)

Description:

This course surveys the history of the Middle East from the rise of Islam to the present. It traces broadly the formation of an Islamic World over a millennium and follows its engagements with modernity, examining closely the shift from the overarching paradigm of the multi-ethnic/multilinguistic Ottoman Empire to that of the mono-ethnic/monolinguistic modern nation state. This course covers the political history of the region including the experience of British and French colonialism, the rise of nationalist movements, and the Arab-Israeli conflict, and focuses on its social, intellectual, and cultural history.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 240, HIST 241 or HISW 242 may not take this course for credit.

HIST 251 History of the United States to the Civil War Era (3 credits)

Description:

This course surveys American history from settlement to the Civil War Era. It deals with the political and economic framework of American history, and with social and cultural trends.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 251 may not take this course for credit.

HIST 253 History of the United States since the Civil War Era (3 credits)

Description:

This course surveys American history from the Civil War Era to the present. It deals with the political and economic framework of American history, and with social and cultural trends.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 253 may not take this course for credit.

HIST 261 History of South Asia (3 credits)

Description:

This course is an introduction to the intellectual traditions, social structures, and political institutions of South Asia, with particular attention to developments during the past two centuries.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 261 may not take this course for credit.

HIST 262 History of China (3 credits)

Description:

A survey of China's history from earliest times to the modern era.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 262 may not take this course for credit.

HIST 263 History of Japan (3 credits)

Description:

This course surveys Japan's history from earliest times to the modern era. In addition to tracing political developments, it explores other themes such as the changing role of the samurai in history and the evolution of Japanese art, literature, and popular culture.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 263 may not take this course for credit.

HIST 264 History of Africa (3 credits)

Description:

This course is an introductory survey of the history of Africa. It examines the major phenomena of African historical experience, including the development of precolonial kingdoms and trans-Saharan trade, the slave trade, colonial conquests, the rise of nationalism, the challenges of independence, and recent crises such as the Rwandan genocide and HIV-AIDS. Emphasis is placed on popular cultural expression through which people on the continent have experienced, understood, remembered, and negotiated broad historical shifts.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 264 may not take this course for credit.

HIST 274 The Atlantic World (3 credits)

Description:

This course examines how an "Atlantic world" emerged between the 15th and 19th centuries. As societies in Africa, the Americas, and Europe came into increasingly regular contact, the ocean became a nexus rather than a gulf between them. By studying historical documents from the period and scholarly debates about how to interpret them, we explore why and how these long- distance connections provoked a range of unprecedented transformations for people on four continents.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 298 number may not take this course for credit.

HIST 276 History of Latin America: The Colonial Period (3 credits)

Description:

This course surveys Latin America up to the wars of independence from Spain. The main themes examined are pre- and post-Columbian indigenous cultures; the Spanish conquest; patterns of colonial trade and economy; the role of the church; and the Bourbon reforms.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 276 may not take this course for credit.

HIST 277 History of Latin America: The Modern Period (3 credits)

Description:

This course surveys Latin American society in the 19th and 20th centuries. The principal topics covered are the social and economic roots of political instability; Mexico under Porfirio Díaz; the Mexican Revolution; Argentina and Brazil under Perón and Vargas; U.S.-Latin American relations; Castro's Cuba; revolution and counter-revolution in contemporary Latin America.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 277 may not take this course for credit.

HIST 2800 Performance and History (3 credits)

Description:

This introductory survey course studies performance in the telling of history, engaging with critical methods and skills to examine practices as well as works that intervene in, critique, and redefine frameworks in history. The course pays particular attention to activist and community engagements with archives, interpretation, and creative practice.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 298 number may not take this course for credit.

HIST 281 Film in History (3 credits)

Description:

This course examines how selected commercial films interpret historical events or provide insight into the politics, society, and culture of the times in which they were produced. The course is designed to help develop critical skills for the understanding of film in an historical framework.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 281 or this topic under a HIST 298 number may not take this course for credit.

HIST 2820 Thinking With Things: History and Culture Through Objects (3 credits)

Description:

This course focuses on the power of the material world to constrain and enable human activity, and how studying it reveals interconnections and distinctions among social actors. Students explore key questions and concepts scholars use to think about material culture as a means to know, create, and communicate history. Students also acquire the research skills needed to "read" the past and present historical objects.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under HIST 298 History in Objects cannot take this course for credit.

HIST 283 The 20th Century: A Global History (3 credits)

Description:

This course introduces students to the history of some of the forces and institutions that have shaped the history of the world in the 20th century, which has been characterized by widespread warfare, genocides, and massive violations against human rights and the natural environment. It has also been a time of unprecedented prosperity of some groups and parts of the globe, as well as an era of tremendous scientific advances.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HISW 283, LOYC 210, or for this topic under a HIST 298 number may not take this course for credit.

HIST 2840 Introduction to Environmental History (3 credits)

Description:

This course offers a general introduction to some major issues and debates in environmental history. The course surveys changing ideas about nature and material changes in the natural world in different places over the long term, from the earliest human domestications and transoceanic migrations of plants, animals, and contagious diseases to the era of human-made climate change.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 298 or HIST 395 number may not take this course for credit.

HIST 298 Selected Topics in History (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

HIST 302 The Invasion of America: European Colonization and Indigenous Resistance before 1800 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the interaction of European colonists with the first peoples of eastern North America before 1800. The emphasis is on cultural exchanges between colonists and Indigenous peoples in the areas of religion, trade, diplomacy, and warfare.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 303 Native North American History Since 1800 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the history of Native North Americans, focusing on the period since 1800. Topics include the emergence of the reserve system and the policy of forced assimilation devised by the governments of Canada and the United States, and the political resurgence and cultural renaissance of Native communities since the mid-20th century.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 304 Tutorial Preparation for the Honours Essay (3 credits)

Prerequisite/Corequisite:

Approved honours standing in History is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides honours students in History with the opportunity for tutorial reading and research in preparation for the writing of the honours essay.

Component(s):

"Tutorial"

HIST 305 Race and Gender in Canadian History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the lives and experiences of Canadian women and men marginalized because of their race, gender and/or sexuality. By looking at people on the margins, this course explores the intersections of gender, race, and space, and speaks to two key issues of today: equality and justice.

Component(s):

"Lecture"

HIST 306 History and the Public (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an examination of the practice of history outside the academy and an introduction to the critical analysis of presentations of history in public and popular culture. Topics include archives, corporate and popular history, museums and historic sites, preservation, film and television, theme parks, and anniversary commemorations. A special emphasis is placed on public controversies and ethical dilemmas involving historical interpretations.

Component(s):

"Lecture"

HIST 307 History of Montreal (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

A study of the origins of the city, its role in the Empire of the St. Lawrence, and its rise to metropolitan dominance in Canada. Special emphasis on economic development and on ethnic groupings.

Component(s):

"Lecture"

HIST 308 Cultures in Contact: A History of Migration (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course traces the fluid journeys of voluntary and/or forced migrants. Topics may include enslavement, refugee experiences, displacement of other peoples, foodways, labour, and histories of child migration.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 3081 Forced Migration and Displacement in the Middle East (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces the history of forced migration and displacement in the Middle East in a comparative perspective. While focusing on flows of people into, out of, and through the region, this course interrogates the relationship between various forms of unfree migration with topics including modernity, state building, imperialism, and nationalism.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 309 Law and Society in Canadian History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines selected issues in Canadian history through the lens of important and controversial court decisions. The influence of legal decisions on society as well as public influence on the development of law is considered.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 313 Quebec in the 19th Century (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the major social, economic, and political issues that arose during the 1800s in the transformation of Quebec from a pre-industrial to an industrial society.

Component(s):

"Lecture"

HIST 314 Quebec in the 20th Century (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the major social, economic, and political issues of 20th-century Quebec in the light of the concentration of economic power into relatively few hands early in the century and the declining importance of industrial production since World War II.

Component(s):

"Lecture"

HIST 315 Rights and Freedoms in Canadian Society (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines historical and contemporary aspects of Canada's culture of rights. Topics include the origins and workings of the Canadian Charter and critiques of rights culture.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 or POLI 398 number may not take this course for credit.

HIST 318 Modernist New York (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the history of "Modernist New York" from the vantage points of social and cultural history. Focusing on the decades between 1870 and 1930, it examines the interplay of culture and commerce, the histories of elites and recent immigrants, the role of race, and the dramatic changes in the cityscape.

Component(s):

"Lecture"

HIST 320 American Culture, 1900–1945 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines how American cultural expression was affected by the broader historical context of the period. Attention is given to changing aesthetic styles, the impact of technology on production and reception, and the role of culture as a representation of American identity.

Component(s):

"Lecture"

HIST 321 American Culture Since 1945 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines different forms of artistic expression in the U.S. since World War II. Attention is given to changing aesthetic styles and technological developments, as well as to the role of culture as an expression of American identity at home and abroad.

Component(s):

"Lecture"

HIST 323 Greek History from Alexander to the Roman Conquest (3 credits)

(also listed as CLAS 341)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

A political, social, economic, and cultural history of the Greek world from Alexander the Great to the Roman conquest of Greece in 146 BC.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 341 may not take this course for credit.

HIST 324 United States, 1877-1924 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course looks at the transformation of the United States from a rural debtor nation into an urban, industrial, and financial world power. It explores how a variety of social groups experienced this change as well as its impact on the meaning of democracy, the role of government and the definition of citizenship. The course also examines U.S. foreign relations in this period.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 326 Reformations in Early Modern Europe (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys the history of Europe from the early Reformation through the end of Europe's religious wars in the mid-17th century. Major themes include the politics of religion, the growth of commerce and social change, competition for empire, and transformation in scientific and political worldviews.

Component(s):

"Lecture"

HIST 327 History of the Roman Empire (3 credits)

(also listed as CLAS 343)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course offers a political, social, economic, and cultural history of the Roman Empire from Augustus to the end of the Roman Empire in the West.

Component(s):

"Lecture"

Notes:

- Students who have received credit for CLAS 343 may not take this course for credit.

HIST 328 The Scientific Revolution (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the Scientific Revolution in the context of early modern European society and culture. Major themes include the debates over the methods, purposes, and scope of science; the relationship between science, the supernatural, and the occult; the relationship between science, technology, and craft; and scientific networks, institutions, and means of communication.

Component(s):

"Lecture"

HIST 329 Music in History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines music as a medium for understanding the past. Depending on the historical focus, issues such as colonialism, nationalism, social movements, urban culture, youth culture, race, gender, and class through the prism of contemporaneous music genres may be considered. The course may also address the transformation of acoustic spaces and musical instruments, the rise of sound recording, radio broadcasting, online streaming, and the history of music copyright in relation to its composition, performance, recording, broadcasting, and streaming. Students have an option to create a podcast or curate a DJ set for a term project.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic as HIST 398R Post-1945 United States History Through Music or under a HIST 398 number may not take this course for credit.

HIST 330 The Great Irish Famine (3 credits)

(also listed as IRST 312)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the social, political, economic, and cultural dimensions of the Great Irish Famine. Beginning with a thorough examination of society and politics in the pre-Famine period, the course explores the causes and course of the 1845-50 Famine, with emphasis on social conditions, mass mortality, emigration, and British government responses to conditions in Ireland. The outcomes and long-term consequences of the Famine for Irish society, politics, Anglo-Irish relations, and the Irish Diaspora are also explored. Some attention is also given to historiographical debates and Famine memory.

Component(s):

"Lecture"

Notes:

- Students who have received credit for IRST 312 or for this topic under a HIST 398 or IRST 398 number may not take this course for credit.

HIST 332 United States, Cuban and Mexican Relations (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the history of the United States' relations with both Cuba and Mexico from the mid-19th century to the present. As well as studying the ramifications of U.S. involvement in such events as the Spanish-American War (1898), the Mexican Revolution (1910), and the Cuban Revolution (1959), it examines the demographic, political, and cultural impact that Cubans and Mexicans have had on the modern development of the U.S.A.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 333 History of Haiti: From Contact to Independence (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a study of Haitian history from early colonization through French control to independence in 1804. It covers pre-Columbian Taino society and the Spanish conquest; the period of piracy and French buccaneering in the 16th and 17th centuries; the emergence of a colonial slave society in the 18th century; the Haitian revolution and the rise of Toussaint Louverture; questions of class and colour; the emergence of the state; contingencies of citizenship and independence. The legacies of the colonial and revolutionary periods are fundamental to an understanding of post-independence and present-day Haiti.

Component(s):

"Lecture"

HIST 334 History of Haiti: From Independence to Present (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a study of Haitian history from independence to the present. It covers the early post-independence regimes; the demise of the plantation economy and the emergence of the Haitian peasantry; the indemnity to France; later

19th-century neo-colonialism and political instability; the U.S. Marine Occupation (1915 – 1934); culture, race and politics during and after the Occupation; the rise of the Duvalieriest state; and post-Duvalierist political instability.

Component(s):

"Lecture"

HIST 336 Deviancy and Orthodoxy in the History of Mexico (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course traces Mexican history from the colonial period to the modern era through an analysis of the various groups that state and society have defined as deviant, including barbarians, heretics, vagrants, lunatics, prostitutes, bandits, and insurgents. This course examines what the shifting preoccupations with and the persecutions of these groups reveal about the creation of political and social orthodoxy in Mexico across time.

Component(s):

"Lecture"

HIST 338 History and the Graphic Novel (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the ways comics and graphic novels express and interpret history. The course examines comics as a medium, the history of the comic strip, the serialized comic, manga, and the graphic novel, exploring the advantages and challenges of telling true stories with comics, while considering ways to express abstract ideas and change over time in pictorial form.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 339 Crime and Punishment in Canadian History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the history of crime and punishment in Canada. Topics include the definition and regulation of deviance; policing; trials and the criminal law; prisons and theories of punishment; the death penalty; crime and the media. Students engage with a variety of primary and secondary sources in readings and assignments.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 340 Early Modern Britain and Ireland (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys early modern British history, focusing on the Tudor and Stuart periods. Major themes include religious and cultural change, economic and social transformation, the formation of a modern state amid recurring periods of political conflict, changing relations between the "Three Kingdoms" of England, Scotland, and Ireland, and the beginnings of commercial and colonial expansion.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 342 may not take this course for credit.

HIST 342 Crime and Punishment in Medieval Europe (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course considers how crime was conceptualized and handled in Europe between circa 300 and 1500. Topics may include the early medieval law codes; violence and feud; trial by ordeal; punishments and mitigations; and the establishment of royal judicial prosecution of crime as an early aspect of European state formation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 3430 History of the Ottoman Empire (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys the history of the Ottoman Empire (broadly covering parts of the Balkans, Anatolia, the Middle East, and parts of northern Africa) from the 1300s to its demise in the 1920s. While following both internal and external developments, this course also pays close attention to the historiographical debates that have shaped the field.

Component(s):

"Lecture"

Notes:

- Students who received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 344 Rise and Fall of Yugoslavia (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Through the study of the rise and fall of Yugoslavia during the 20th century, this course examines themes of modern European history, including empire, nationalism, democracy, fascism, war, genocide, and ethnic cleansing.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 345 Postwar Japanese History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines Japan since the end of World War II. While tracing Japan's rise to the status of an economic power, this course focuses primarily on social and cultural history.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 346 Sexuality in History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course looks at the topic of human sexuality taking a broad view, both in time (from the Ancient world to the 20th century) and space (featuring Asia and Africa as well as the Western world). Rather than surveying the impossibly large canvas of sex throughout world history, this course looks at a number of particular topics (e.g. marital sexuality, same-sex relationships, sexual violence) in different cultures.

Component(s):

"Lecture"

HIST 347 Gender and Sexuality in South Asia (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys the history of gender and sexuality in South Asia (India, Pakistan, and Bangladesh) from 1500 to the present, beginning in the Mughal period and concluding with an investigation of the post-colonial experience. Topics may include masculinity at the Mughal court, the European woman's imperial "burden," the regulation of sexuality in the Indian anti-colonial movement, the queer experience, identity formation in diaspora, and gender and religious fundamentalism.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 348 History of Violence: Middle East 1798 – Present (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the multiple facets of violence in Middle Eastern historical contexts. The objective is to develop a critical approach for thinking about the nature of violence by using a historical perspective to complicate commonplace oppositions between its legitimate and illegitimate forms or its intelligibility and unintelligibility. Students explore the differences among state-sanctioned violence, resistance movements, and terrorism.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 350 Medieval England (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the history of England between the Norman Conquest in 1066 and 1500. Topics include the political, social, and cultural impact of the Norman Conquest; Jews and the expulsion of 1290; knights and peasants; the Peasant's Revolt of 1381; crime and the Robin Hood legends; heresy and popular religion; urban culture and guilds.

Component(s):

"Lecture"

HIST 351 England in the Reign of Henry VIII (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines English history in the first half of the 16th century. In addition to specifically examining the personality and politics of Henry VIII himself, lectures and assignments examine broader social, religious, economic, and legal developments in the kingdom during his reign.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number or as HIST 398L Tudor England may not take this course for credit.

HIST 3520 American Capitalism (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the ideas, practices, and often violent political struggles behind the making and meaning of American economic power. The course asks how and why the United States came to associate freedom with capitalism and at what costs. Temporally, the course spans the colonial era to the modern day, and is geographically expansive, tracing the global footprint of American financial power.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 353 Colonial America and the Atlantic World (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the economic, political, and cultural history of the Atlantic world as a context for understanding developments in 17th- and 18th-century North America, including Native-European relations, migrations, religious controversies, slavery, revolts and independence movements.

Component(s):

"Lecture"

HIST 354 Revolutionary America (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines themes and issues in the revolutionary and early national periods of American history.

Component(s):

"Lecture"

HIST 355 United States in the 19th Century, 1815–1850 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

A study of American political, social, and economic life from the end of the War of 1812 to about 1850 — the intensification of sectionalism. Topics include geographic expansion and the beginnings of industrialization, the characteristics of southern slave society, and the rise of a system of political parties during the age of Jackson.

Component(s):

"Lecture"

HIST 356 United States in the 19th Century: The Era of the Civil War (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

A study of American political, social, and economic life before and after the Civil War, from about 1850 to 1890. Topics include sectionalism and the breakdown of parties during the 1850s, the tasks of Reconstruction after the war, the New South, and the problems of a maturing industrial society.

Component(s):

"Lecture"

HIST 357 Foreign Relations of the United States to 1945 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an analysis of United States foreign policy from the American Revolution to the conclusion of the Second World War, emphasizing the domestic debate over foreign policy, national security, and economic development; commercial and territorial expansion; and the dynamics of Canadian-American relations.

Component(s):

"Lecture"

HIST 358 Foreign Relations of the United States, 1945 to the Present (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This is an historical investigation of United States foreign policy from the end of the Second World War to the present, emphasizing the United States' responses to the challenge of revolutions in Asia, Africa, Europe and Latin America, American conceptions of a new world order, the rise of the multinational corporation, globalization, terrorism, humanitarian intervention, and developments in Canadian-American relations.

Component(s):

"Lecture"

HIST 359 The History and Sociology of Genocide to 1945 (3 credits)

(also listed as SOCI 366)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Through the comparative and historical examination of a number of cases, this course investigates the meaning of genocide and the processes that have led to genocide up to 1945.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SOCI 366 may not take this course for credit.

HIST 360 The History and Sociology of Genocide from 1945 to the Present (3 credits)

(also listed as SOCI 367)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Through the comparative and historical examination of a number of cases, this course investigates the meaning of genocide and the processes that led to genocide from 1945 to the present.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SOCI 367 may not take this course for credit.

HIST 3620 African Slavery in Global Perspective (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to the history of African slavery from a global perspective (broadly covering the Americas, Africa, the Middle East, and parts of the Indian Ocean littoral) from the 15th century to its legacies in the present. Throughout, the aim is to tell this history from the perspective of the enslaved and their descendants.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 363 Africa in the 20th Century (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines 20th-century African history. Beginning with the colonial conquests, the course traces the processes of social, cultural, and economic change that have shaped Africans' experience of colonial domination and postcolonial statehood. Emphasis is placed on the ways in which historical change has been interpreted in African cultural production.

Component(s):

"Lecture"

HIST 364 Modern South Asia (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

British conquest established nearly two centuries of colonial rule over the world's oldest civilization. This course examines the nature of imperial control, the resistance of traditional leaders, European intellectual imperialism, Indian cultural and religious revivalism, and modern nationalism. Special attention is paid to M.K. Gandhi and Gandhism as well as to Muslim separatism and the Pakistan movement.

Component(s):

"Lecture"

HIST 365 Human Rights and Genocide Prevention in History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Human rights and humanitarian intervention to prevent genocide are contested concepts. This course examines the roots of Western notions of human rights, the evolution of the concept, and case studies clarifying the challenges confronting advocates and critics of humanitarian intervention. Historical examples address the uses of diplomacy, economic assistance, conflict management, and force in mass atrocity prevention and interdiction.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 366 Early Modern China (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines Chinese history during the Qing dynasty (1644-1912), with emphasis on political, social, diplomatic, and intellectual issues.

Component(s):

"Lecture"

HIST 367 Modern China (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines China's history since the fall of the Qing dynasty in 1912, with particular emphasis on the Nationalist and Communist revolutionary movements and on China's transformation since the establishment of the People's Republic of China in 1949.

Component(s):

"Lecture"

HIST 368 African Popular Culture (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the varied terrain of African popular culture in the 19th and 20th centuries. The materials examined in this course range broadly, including not only scholarly work, but also fiction, film, music, and images that provide entry points into the ways African artists, youth, officials, freedom fighters, market women, bachelors, gangsters, and others have engaged culturally with the world around them.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 369 Middle East: Empire, Gender, and Sexuality in Modern Times (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the historical formation and intersection of three distinct phenomena: empire, gender, and sexuality. From the everyday practices of family life to the form of politics and the balance of geo-strategic relations, the 19th and 20th centuries witnessed a radical transformation of human organization within the Middle East and globally. Topics may include imperialism, state formation, nationalism, Orientalism, feminism, and Islam.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 370 Japanese Popular Culture (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course traces the history of Japanese popular culture from the 1600s to the present, with emphasis on the last 50 years. The major focus is on the evolution of Japanese popular media such as films, anime, and manga. Other themes such as youth culture, fashion, and the spread of Japanese popular culture outside of the country's borders are explored. No background knowledge or Japanese language skills are required.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 371 History of the Russian Revolutionary Movement, 1825-1922 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course traces the evolution of the Russian revolutionary movement from the Decembrist Revolt (1825) to the Bolshevik consolidation of power (1922). Emphasis is placed on the development of Russian conceptions of socialism, Marxism, and anarchism; the roles undertaken by women in various revolutionary groups; and the Russian contribution to the development of modern terrorism.

Component(s):

"Lecture"

HIST 372 Latin American History Via the Novel (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines modern Latin American history and its representation by comparing "fictional" and "factual" depictions of key issues and significant events including economic imperialism, political revolution, and race relations. Texts such as Gabriel García Márquez's literary masterpiece One Hundred Years of Solitude are used.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 373 The Pacific War (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the history of the Pacific War, from its origins in the expansion of the Japanese empire to the atomic bombings, Japan's surrender, and the shaping of postwar Asia. While covering battles, strategy and tactics, and the weapons of war, the course also looks at diverse themes such as home fronts, propaganda, and how the war has been remembered and represented since 1945.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 374 Egypt and the World Since 1798 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the social, cultural, and political histories of Egypt between the Napoleonic conquest and the present. Special attention is paid to the formation of Egyptian national identity in a post-Ottoman international context.

Component(s):

"Lecture"

HIST 3750 Global History in the Indian Ocean World (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to the connected histories of the transregional arena labelled the Indian Ocean World. It pays particular attention to how the global as a modern geopolitical and economic conception of the world grew from deep roots in Afro-Asian coastlines and the oceanic highway connecting them.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 376 The Caribbean and the Atlantic World (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course covers the period from post-Columbian contact to the late-19th century. Themes include the link between sugar and slavery; the slave trade and the emergence of plantation-based colonialism; racialized social and economic structures; slave resistance; the politics of abolition; alternative labour forms; and the rise of political movements.

Component(s):

"Lecture"

HIST 377 History of Russia, 1694-1917 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course traces Russian history from the era of Peter the Great to the Bolshevik Revolution. Emphasis is placed on long-term trends that continue to affect Russia today such as political liberty, economic development, warfare and foreign affairs, and gender relations.

Component(s):

"Lecture"

HIST 378 History of the Soviet Union (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the main economic, social, and political developments of the history of the Soviet Union from its creation in 1917 to its collapse in 1991. Particular attention is paid to the Stalin era, the impact of World War II, and the Cold War.

Component(s):

"Lecture"

HIST 379 History through Visual Media and Performance (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Public encounters with history are increasingly mediated by visual media, artistic production, activism, and museological experiences, among others. This course explores the relationship between the public and the past by examining issues in the production, distribution, and reception of history via such changing technologies and practices.

Component(s):

"Lecture"

HIST 380 History and Digital Media (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course offers an introduction to the changes that new media and technologies are bringing to historical research, writing, presentation, and teaching of the past. The course begins with an overview of the history of the Internet and digital media, and then examines historical work on a variety of subjects — by scholars, teachers, archivists, museum curators, and popular historians — published on the web. Historical and critical readings provide the basis for the hands-on section of the course in which students develop pilot online history projects.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course under a HIST 387 number may not take this course for credit.

HIST 381 The Politics of the Past (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the uses of history and the role of the historian in the political arena, focusing on cases in which the past has underwritten social movements or mediated public controversies. Topics may include controversies over political recognition, historical apologies, reparations, restorative justice, and the repatriation of cultural artifacts.

Component(s):

"Lecture"

HIST 382 Age of Enlightenment (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys the intellectual and cultural history of Europe and the Atlantic World from the later 17th century through the 18th century.

Component(s):

"Lecture"

HIST 383 Age of Revolution (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on the French political and English industrial revolutions and their consequences throughout Europe. Colonialism, slavery, and the Atlantic revolutions in the Americas are considered to the extent that they contributed to, or were influenced by, the revolutions in Europe.

Component(s):

"Lecture"

HIST 385 Age of Dictators: Europe, 1914-1945 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

A study of the internal development and external relations of the nations of Europe from the Great War to the end of World War II. The course examines this chaotic age primarily through an investigation of the revolutionary and reactionary upheavals that kept Europe socially, politically, and economically unbalanced for 30 years.

Component(s):

"Lecture"

HIST 386 Contemporary Europe: 1945 to the Present (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

A study of the internal development and external relations of the nations of Europe from the collapse of Nazi Germany to the present. The course concentrates on the divisions between East and West, the economic recovery of Europe and the effects of the energy crisis on social, economic, and political life throughout Europe.

Component(s):

"Lecture"

HIST 387 Selected Topics in Public History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

HIST 388 Oral History and Creative Practice (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an introduction to oral history theory, ethics, and practice, and surveys the many oral history projects underway in Montreal and around the globe.

Component(s):

"Lecture"

HIST 389 Ethnography: Doing Micro-History of the Present (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces basic tools of ethnographic research and documenting using both traditional and new media, with attention to ethical, political, interpersonal, and aesthetic issues.

Component(s):

"Lecture"

HIST 390 Urban History Laboratory (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Students conduct original archival and/or oral history research on a selected aspect of Montreal's history and then go public with their research in creative and engaging ways.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course topic under a HIST 387 number may not take this course for credit.

HIST 391 Independent Study Tutorial in History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course permits individual study, with a selected faculty member, in a specialized area not available among regular 300-level classes.

Component(s):

"Tutorial"

HIST 392 War, Peace, and Society in France since 1870 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the tumultuous history of France since the German invasion of 1870 which occasioned the fall of the Second Empire, the short-lived revolutionary Paris Commune of 1871, and the establishment of the Third Republic. Of central concern to this course is the way in which France has dealt with the challenges of three German invasions, internal political and social crises, and the heritage of decolonization in the post-Second World War period.

Component(s):

"Lecture"

HIST 3931 Drugs in History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the history of licit and illicit drugs as commodities, focusing on the political, ecological, and social dimensions of their production, distribution, consumption, and regulation. Substances studied may include stimulants, depressants, intoxicants, analgesics, medicines, or hallucinogens such as coffee, sugar, tobacco, alcohol, opium, marijuana, synthetic drugs or pharmaceuticals.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 393 or for this topic under a HIST 398 number may not take this course for credit.

HIST 394 Food in History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course considers the economic, political, and cultural changes in food production, diets and cuisines from 1700 to the present from a global, comparative perspective. Lectures, primary and secondary source readings, films, research and hands-on activities explore diverse topics such as hunting and gathering; cooking traditions and innovations; cultural and ethical dimensions of eating and fasting; agriculture and food markets; the politics of famine; factory farms, industrial processing, and nutritional science; the emergence of the restaurant, the supermarket, fast food; and the globalization of modern diets.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 395 Global Environmental History (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course considers how conflicts, collaborations, and transformations in relationships between various human societies and non-human environments have changed over time. It examines from a historical perspective, the ways environmental issues such as species extinctions, pollution, the exhaustion of natural resources, climate change, and "green politics" have become global phenomena.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 3951 History of the Climate Crisis (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys the complex history of the ongoing global crisis of human-made climate change. Focusing on the period from the onset of the Little Ice Age to the very recent past, the course critically examines environmental, scientific, cultural, and political aspects of both material changes to Earth's climates and debates about whether and how to respond to them.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

HIST 396 The United States Since 1945 (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

The immediate historical background of today's America is the subject matter of this course. Major themes include civil rights, the rise of modern feminism, and economic change.

Component(s):

"Lecture"

HIST 397 History and Sound (3 credits)

Prerequisite/Corequisite:

Students must have successfully completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines sound as a historical subject and a medium for understanding the past. Emphasizing aural rather than visual sources, it addresses a variety of topics including the history of aural art forms such as music and radio; sound recording and transmission technologies; commercial uses of sound; architectural acoustics; and the evolution of soundscapes. The course may include training in the production of radio documentaries, urban sound walks, and audio podcasts.

Component(s):

"Lecture"

HIST 398 Selected Topics in History (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

HIST 402 The Philosophy and Practice of History (3 credits)

Prerequisite/Corequisite:

Approved honours standing in a History program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines problems in the philosophy and practice of history. Particular attention is given to contemporary debates about history as a distinctive mode of understanding and explanation. This course is required of all honours students.

Component(s):

"Seminar"

HIST 403 Methodology and History (3 credits)

Prerequisite/Corequisite:

Approved honours standing in a History program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the variety of sources, methods, and modes of analysis used in the research and writing of history. It addresses both theoretical and practical aspects of method. This course is required of all honours students.

Component(s):

"Seminar"

HIST 412 Advanced Study in Canadian History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

Advanced seminar in a selected topic in the history of Canada. The emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 437 Advanced Study in European History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

Advanced seminar in a selected topic in the history of Europe. The emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 445 Advanced Study in Global and Thematic History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students may request permission of the Department.

Description:

This course is an advanced seminar in a selected topic in global and/or thematic history. The emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 452 Advanced Study in American History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

Advanced seminar in a selected topic in the history of the United States. The emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 457 Advanced Study in Latin American and Caribbean History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

Advanced seminar in a selected topic in Latin American and/or Caribbean history. The emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 462 Advanced Study in Asian History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

Advanced seminar in a selected topic in Asian history. The emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 467 Advanced Study in Middle Eastern History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

Advanced seminar in a selected topic in Middle Eastern history. The emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 471 Advanced Study in African History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

Advanced seminar in a selected topic in the history of Africa. The emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 475 Advanced Study in the History of Gender and Sexuality (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department. Advanced seminar in a selected topic in the history of gender and sexuality.

Description:

The emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 477 Advanced Study in the History of Human Rights and Justice (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

This advanced seminar focuses on a selected topic in the history of human rights and justice. The emphasis is on encouraging students to conduct historical investigation independently, under a professor's supervision. The specific content may vary from year to year.

Component(s):

"Seminar"

HIST 479 Advanced Study in Women's History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

Advanced seminar in a selected topic in women's history. The emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 481 Advanced Study in Public History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

Advanced seminar in a selected topic in public history. In addition to weekly discussions of relevant readings, the emphasis is on encouraging students to conduct historical investigation on their own, under a professor's guidance. The specific content varies from year to year depending on the instructor.

Component(s):

"Seminar"

HIST 485 Public History Workshop (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: HIST 306. Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

This course offers students the opportunity to conceive, plan, and carry out a project that presents a historical subject to the public. Students receive training in the public presentation of the past through several media and to a variety of audiences, and are encouraged to involve relevant parties outside the academy in the development of their project.

Component(s):

"Seminar"

HIST 486 Public History Internship (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: HIST 306. Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

This internship in public history is designed to allow students to test and hone their skills in a non-academic situation. Placements will be arranged by the faculty member responsible for the course and may be drawn from various potential employment sectors: public, non-profit, and private. Students, in consultation with the employer and the faculty advisor, are expected to fully participate in the defining of their internships. Students work according to a detailed job description and devote a minimum of 100 hours to the fieldwork component of the internship, keep a logbook describing their work activities, and submit a 20-25 page written report that summarizes and evaluates their work experience, positioning it in relation to broader academic questions in the field of public history. The employers participate in the assessment of the intern's work. Students may find it useful to have second-language proficiency for the purposes of this internship.

Component(s):

"Tutorial"

HIST 4900 Joint Seminar in History and English (6 credits)

(also listed as ENGL 490)

Prerequisite/Corequisite:

400-level courses are generally open to honours and specialization students, or students of high academic standing, with a minimum of 30 university credits.

Description:

This upper-level seminar explores literary and historical approaches to a selected topic, which varies from year to year. The course offers a unique opportunity for students to explore how the different disciplines of English and History think about knowledge production under the collaborative guidance of scholars in these two fields.

Component(s):

"Seminar"

Notes:

- Students who have received credit for ENGL 490 or for this topic under a HIST 498 number may not take this course for credit.

HIST 491 Individual Study Tutorial in History (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

This course permits an individual student to pursue advanced study, with a selected faculty member, in a specialized area not available among scheduled 400-level seminars.

Component(s):

"Tutorial"

HIST 492 Individual Study Tutorial in History (6 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

This course permits an individual student to pursue advanced study, with a selected faculty member, in a specialized area not available among scheduled 400-level seminars.

Component(s):

"Tutorial"

HIST 493 Honours Essay Tutorial (6 credits)

Prerequisite/Corequisite:

Students must be enrolled in an honours or specialization program offered by the Department of History. If this prerequisite is not satisfied, students in high academic standing may request permission of the Department.

Description:

This course is open only to honours students in History. The student works with an individual faculty member in a particular area of history. Students are asked to produce a sustained piece of written work, not exceeding 40 pages in length, to be read by their advisor and at least one other member of the Department.

Component(s):

"Tutorial"

HIST 498 Advanced Topics in History (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Law and Society Courses

LAWS 2000 Introduction to Law and Society (3 credits)

Description:

This interdisciplinary course examines the roles law plays in Canada and internationally, from the perspectives of history, political science, anthropology, sociology, and philosophy.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ANTH 285, POLI 285, or SOCI 285, or for this topic under an ANTH 298, HIST 298, POLI 298, or SOCI 298 number, may not take this course for credit.

LAWS 4100 Advanced Topics in Law and Society (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LAWS 2000. Students must complete 15 credits in the minor and 60 university credits. Permission of the Law and Society program director is required.

Description:

This advanced seminar focuses on a selected topic in law and society. The specific content may vary from year to year.

Component(s):

"Seminar"

LAWS 4800 Cour du Québec Internship (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LAWS 2000. Students must complete 15 credits in the minor and 60 university credits. Permission of the Law and Society program director is required.

Description:

This unpaid internship pairs students with one or more judges of the Civil, Criminal, and/or Youth Divisions of the Cour du Québec in Montreal. Students attend regular meetings at the court, where they are mentored by one or more judges. Students attend court, research cases, and discuss cases with judges and court personnel. In addition to attendance at court, students are expected to report on their internship in written papers and/or oral presentations.

Component(s):

"Fieldwork"

Notes:

- French oral, comprehension, and reading skills at an intermediate level or higher are required.

LAWS 4900 Independent Research Project in Law and Society (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: LAWS 2000. Students must complete 15 credits in the minor and 60 university credits. Permission of the Law and Society program director is required.

Description:

Students undertake advanced research in law and society, under the guidance of a supervising faculty member.

Component(s):

"Seminar"

Section 31.170 Interdisciplinary Studies

Interdisciplinary Studies

Individually Structured Programs (BA or BSc)

Interdisciplinary Programs

- Interdisciplinary Program Notes
- Certificate in Arts and Science
- Certificate in Science Foundations
- Minor and Certificate in Black and African Diaspora Studies in the Canadian Context
- Minor in Israel Studies
- Microprogram in Innovation Mindset

Other Related Programs

- Interdisciplinary Studies in Sexuality

Interdisciplinary Elective Groups

Interdisciplinary Courses

Interdisciplinary Studies

Program Objectives

The Faculty of Arts and Science *Principles of Education* (Section 31.001 Faculty of Arts and Science) reinforce the value of broadening students' skills and experience beyond the boundaries of a single disciplinary program. Interdisciplinary courses are designed to illuminate principles, methods, and skills that cross disciplinary boundaries and expand the range of students' academic training. Interdisciplinary Elective Groups enable students to complement their core program in innovative ways.

Individually Structured Programs (BA or BSc)

Honours or Specialization

Under the direction of the academic advisor, Faculty of Arts and Science.

Admission

Opportunities are available in some departments and programs to follow an Individually Structured Specialization or Honours program. Students must apply to the Department that seems most relevant to the central aspect of their proposed program. Students in general must have demonstrated in their previous academic endeavours that they are capable of good standing ("B" level), but in exceptional cases a student may be admitted provisionally on the recommendation of the departmental undergraduate coordinator.

Formal entry to the ISP may occur only after completion of preparatory courses such as are required in Mature Entry and Extended Credit programs. Students wishing to follow an honours program must follow the Faculty procedures and regulations concerning admission to honours programs. (See Degree Requirements — Honours, Section 16.2.4 Concentration Requirements and Section 31.003 Degree Requirements.)

Students interested in pursuing an Individually Structured Program should contact the academic advisor, Faculty of Arts and Science, at 5148482424, ext. 2104.

Academic Regulations

The program will consist of not less than 60 credits. The courses chosen must be based on a departmental or program core, usually the major, but not less than 24 credits. Students will thus be required to complete necessary prerequisites, and general preparation courses such as Research Methods or Statistics, so that they may later follow a regular departmental program if they so desire.

A specialization student must maintain an average of "C+" in all specialization courses for purposes of continuation in the program from year to year, as well as for graduation. The minimum acceptable grade in any single specialization course is "C-."

The program of study must be worked out at the time of registration into the program. Admission to the program must be finalized before a student registers for the final 60 credits of the 90-credit portion of their degree. To allow for the non-availability of certain courses during certain sessions, allowable substitute courses must be listed in advance. Such substitution provisions will be necessary only in the case of specialized courses that are known not to be available on a session by session basis. The intention of this regulation is to assure that the program does not become an ad hoc mixture of courses without clearly rationalized academic coherence.

Students must prepare a careful, not necessarily long, statement of their goals indicating the specific reasons for their program choice. The rationale and the sequence of courses chosen must be approved by the two departmental program coordinators and the Associate Dean, Student Academic Services.

Interdisciplinary Program Notes

Interdisciplinary minor programs usually consist of 24 or more credits and are to be combined with a department major, specialization,or honours. Interdisciplinary certificate programs normally consist of 30 credits and can be taken as independent programs. Interdisciplinary minor and certificate programs are listed below.

- Certificate in Arts and Science
- Certificate in Science Foundations
- Certificate in Black and African Diaspora Studies in the Canadian Context
- Minor in Black and African Diaspora Studies in the Canadian Context
- Minor in Israel Studies

Certificate in Arts and Science

Program Requirements

Certificate in Arts and Science (30 credits)

30 credits with at least 24 credits chosen from courses offered by not more than three departments in the Faculty of Arts and Science.

Notes

- The Certificate in Arts and Science is a non-degree program that caters to students who qualify for undergraduate degree programs, but whose preference is to follow a shorter program of study. It may also be of interest to those who already have an undergraduate degree, but wish to update their knowledge or learn new skills.
- Students may transfer into the certificate program credits earned in an incomplete degree or certificate program or as an Independent student, provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program.
- Students who are admitted to the Certificate in Arts and Science, and who wish to continue in a degree program, should apply for admission to their program within the first 30 credits.
- For advising assistance, students should contact Student Academic Services: concordia.ca/artsci/students/sas
- Students are responsible for satisfying their particular program requirements.

Certificate in Science Foundations

Program Requirements

Certificate in Science Foundations (30 credits)

3 credits:

- BIOL 201 Introductory Biology (3.00)

6 credits:

- CHEM 205 General Chemistry I (3.00)
- CHEM 206 General Chemistry II (3.00)

9 credits:

- MATH 203 Differential and Integral Calculus I (3.00)
- MATH 204 Vectors and Matrices (3.00)
- MATH 205 Differential and Integral Calculus II (3.00)

12 credits:

- PHYS 204 Mechanics (3.00)
- PHYS 205 Electricity and Magnetism (3.00)
- PHYS 206 Waves and Modern Physics (3.00)
- PHYS 224 Introductory Experimental Mechanics (1.00)
- PHYS 225 Introductory Experimental Electricity (1.00)
- PHYS 226 Introductory Experimental Waves and Modern Physics (1.00)

Additional Science Foundations Courses

- BIOL 225 Form and Function of Organisms (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 222 Introductory Organic Chemistry II (3.00)
- CHEM 271 Biochemistry I (3.00)
- GEOG 260 Mapping the Environment (3.00)
- GEOL 210 Introduction to the Earth (3.00)

- MAST 218 Multivariable Calculus I (3.00)
- MAST 221 Applied Probability (3.00)
- MAST 234 Linear Algebra and Applications I (3.00)
- MATH 222 Logic, Proofs, and Discrete Structures (3.00)
- PHYS 232 Methods of Theoretical Physics I (3.00)
- PHYS 252 Optics (3.00)
- PHYS 253 Electricity and Magnetism I (3.00)

Notes

- The Certificate in Science Foundations is a nondegree program that caters to students who wish to develop the necessary background for further study in undergraduate degree programs in Science. It also may be of interest to students whose preference is to follow a shorter program of study or who wish to update their knowledge or learn important basics of Science. The certificate requires successful completion of 30 credits.
- Students may transfer into the certificate program credits earned in an incomplete degree or certificate program or as an Independent student, provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program. Students who are admitted to the Certificate in Science Foundations, and who wish to continue in a degree program, should apply for admission to their program within the first 30 credits.
- In the event that a student is awarded an exemption from a required course, it will be necessary for the student to replace that course with another relevant to the program, chosen from the Additional Science Foundations Courses list, or in consultation with an academic advisor.
- Students are responsible for satisfying their particular program requirements.

Minor and Certificate in Black and African Diaspora Studies in the Canadian Context

Minor in Black and African Diaspora Studies in the Canadian Context

Certificate in Black and African Diaspora Studies in the Canadian Context

Black and African Diaspora Studies in the Canadian Context Course Groups

Minor in Black and African Diaspora Studies in the Canadian Context

Program Requirements

Minor in Black and African Diaspora Studies in the Canadian Context (24 credits)

9 credits:

- BLST 200 Introduction to Black Studies in the Canadian Context (3.00)
- BLST 211 Black Montreal (3.00)
- BLST 230 Race and Ethnic Relations (3.00)

9 credits chosen from the following list:

Black-focused Topics in Literature, History, and the Arts

Note: Students may also choose from courses in this group (Black-focused Topics in Literature, History, and the Arts) listed on the Black and African Diaspora Studies in the Canadian Context website, with the approval of the program director.

6 credits chosen from the following list:

Critical Perspectives on Postcolonial and Decolonial Narratives

Note: Students may also choose from courses in this group (Critical Perspectives on Postcolonial and Decolonial Narratives) listed on the Black and African Diaspora Studies in the Canadian Context website, with the approval of the program director.

Notes

- Students may apply a Special Topics course to their program requirements, provided they are approved by the Minor in Black and African Diaspora Studies in the Canadian Context advisor.
- Students are responsible for verifying prerequisite requirements associated with some courses.
- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not, however, take both versions of a cross-listed course for credit.
- Students are responsible for satisfying their particular degree requirements.

Certificate in Black and African Diaspora Studies in the Canadian Context

Program Requirements

Certificate in Black and African Diaspora Studies in the Canadian Context (30 credits)

9 credits:

- BLST 200 Introduction to Black Studies in the Canadian Context (3.00)
- BLST 211 Black Montreal (3.00)
- BLST 230 Race and Ethnic Relations (3.00)

12 credits chosen from the following list:

Black-focused Topics in Literature, History, and the Arts

Note: Students may also choose from courses in this group (Black-focused Topics in Literature, History, and the Arts) listed on the Black and African Diaspora Studies in the Canadian Context website.

9 credits chosen from the following list:

Critical Perspectives on Postcolonial and Decolonial Narratives

Note: Students may also choose from courses in this group (Black-focused Topics in Literature, History, and the Arts) listed on the Black and African Diaspora Studies in the Canadian Context website.

Notes

- Students may transfer into the certificate program credits earned in an incomplete degree or certificate program or as an Independent student, provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program.
- Students may apply a Special Topics course to their program requirements, provided they are approved by the Certificate in Black and African Diaspora Studies in the Canadian Context advisor.
- Students are responsible for verifying prerequisite requirements associated with some courses.
- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not, however, take both versions of a cross-listed course for credit.
- Students are responsible for satisfying their particular program requirements.

Black and African Diaspora Studies in the Canadian Context Course Groups

Black-focused Topics in Literature, History, and the Arts

- ANTH 255 The Caribbean: History and Political Economy (3.00)
- ARTH 381 Feminism and Art History (3.00)
- ARTH 389 Issues in Ethnocultural Art Histories (3.00)
- ENGL 3390 Black British Literature and Culture (3.00)
- ENGL 3651 Race and Ethnicity in American Literature (3.00)
- ENGL 369 African-American Literature (3.00)
- ENGL 3771 Race and Ethnicity in Canadian Literature (3.00)
- ENGL 383 African Literatures (3.00)
- ENGL 386 Caribbean Literature (3.00)
- ENGL 3945 Black Studies and Literature (3.00)
- FFAR 256 Hip Hop: Past/Present/Future (3.00)
- FLIT 363 Littératures d'Afrique francophone (3.00)
- FLIT 365 Littératures de la Caraïbe francophone (3.00)
- FLIT 367 Littérature d'Haïti (3.00)
- HIST 264 History of Africa (3.00)
- HIST 274 The Atlantic World (3.00)
- HIST 276 History of Latin America: The Colonial Period (3.00)
- HIST 277 History of Latin America: The Modern Period (3.00)
- HIST 353 Colonial America and the Atlantic World (3.00)
- HIST 3620 African Slavery in Global Perspective (3.00)
- HIST 363 Africa in the 20th Century (3.00)
- HIST 368 African Popular Culture (3.00)
- JHIS 314 Jazz History (3.00)
- JHIS 398 Special Topics in Jazz History (3.00)
- RELI 3140 Malcolm X (3.00)

Critical Perspectives on Postcolonial and Decolonial Narratives

- ANTH 483 Nationalism and Racism (3.00)
- COMS 464 Race, Ethnicity, and Media (3.00)
- ENGL 3811 Critical Perspectives on Settler Colonialism (3.00)
- ENGL 385 Studies in Postcolonial Literature and Theory (3.00)
- ENGL 394 Critical Race Theory (3.00)
- ENGL 454 Advanced Topics in Postcolonial Studies (3.00)
- FLIT 433 Littératures postcoloniales (3.00)
- GEOG 310 Refugees and Migration in Today's World (3.00)
- GEOG 315 Social and Cultural Geographies (3.00)
- GEOG 418 Geographies of Postcolonialism (3.00)
- GEOG 430 Social Geographies of Montreal (3.00)
- LING 300 Sociolinguistics (3.00)
- RELI 3660 Hip-Hop Culture and Social Change (3.00)
- RELI 3690 Decolonizing Religion (3.00)
- SOCI 483 Nationalism and Racism (3.00)
- URBS 440 Urban Policing and Security (3.00)
- WSDB 393 Critical Race Feminisms (3.00)
- WSDB 401 Ending Sexual Violence (3.00)
- WSDB 492 Post-colonial and Anti-colonial Feminist Theories and Practice (3.00)

Minor in Israel Studies

Program Overview

The Minor in Israel Studies is designed to ensure a balanced coverage and study of the main religious, social, cultural, and political currents that define Israel in the Middle East today. Its curriculum is drawn from various departments including Art History, Classics, Modern Languages and Linguistics, English, History, Political Science and Religions and Cultures.

Students interested in this program should contact the Director of the Azrieli Institute of Israel Studies.

Program Requirements

Minor in Israel Studies (24 credits)

15 credits chosen as follows:

A minimum of 3 credits and a maximum of 9 credits chosen from:

- HEBR 210 Introductory Course in Hebrew (6.00)
- HEBR 241 Intermediate Hebrew I (3.00)
- MARA 200 Introduction to Modern Standard Arabic I (6.00)
- MARA 206 Introduction to Modern Standard Arabic II (6.00)
- MARA 240 Intermediate Modern Standard Arabic I (6.00)

A minimum of 6 credits and a maximum of 12 credits chosen from:

- ARTH 369 Studies in Middle Eastern Art and Architecture (3.00)
- ENGL 398 Selected Topics in English (3.00)
- HEBR 310 Topics in Hebrew Literature (3.00)
- HIST 235 The Holocaust (3.00)
- HIST 242 History of the Middle East (3.00)
- HIST 359 The History and Sociology of Genocide to 1945 (3.00)
- RELI 220 Introduction to Judaism (3.00)
- RELI 223 Introduction to Christianity (3.00)
- RELI 224 Introduction to Islam (3.00)
- RELI 301 The Hebrew Bible (3.00)
- RELI 351 Jewish Eastern Europe (3.00)
- RELI 393 Women in Israel (3.00)

3 credits chosen from:

- POLI 391 Middle East and Global Conflict (3.00)
- POLI 395 Politics of the Middle East (3.00)
- RELI 319 Modern Islam (3.00)

3 credits chosen from:

- POLI 322 Israeli Political System (3.00)
- RELI 328 Modern Judaism (3.00)
- RELI 329 Israel: Religion and State (3.00)

3 credits chosen in consultation with the advisor

Notes

- Students are responsible for satisfying their particular program requirements.

Microprogram in Innovation Mindset

Program Requirements

Microprogram in Innovation Mindset (9 credits)

9 credits:

- INOV 200 Innovation Models and Concepts (3.00)
- INOV 300 Innovation Methods and Strategies (3.00)
- INOV 400 Applied Innovation Project (3.00)

Notes

- Students are responsible for satisfying their particular program requirements.

Interdisciplinary Studies in Sexuality

The Major in Interdisciplinary Studies in Sexuality and Minor in Interdisciplinary Studies in Sexuality, offered jointly by the Faculty of Arts and Science and the Faculty of Fine Arts, draw their curriculum from a variety of disciplines. Their purpose is to investigate empirical, theoretical, and creative aspects of sexuality.

Please refer to Section 31.560 Simone de Beauvoir Institute and Women's Studies for details.

Interdisciplinary Elective Groups

Elective Group Notes

The Basics of Business

Econometrics and Programming

Equity, Diversity, and Inclusion

Health and Lifestyle

Hellenic Studies

Indigenous Land-Based Education

Indigenous Studies

Innovation Mindset

Introduction to Life Sciences

Legal Studies

Management for Non-Business Students

Marketing for Non-Business Students

The Planet Earth: Studies in the Environment

Preparing for Success in the Workplace

Quantitative Finance and Insurance

Quebec Studies

Spanish America

Sustainability Studies

Understanding Western Myth

Elective Group Notes

- Elective Groups (formerly referred to as Clusters) are elective courses (9 to 18 credits) on a theme. Each group provides multidisciplinary and interdisciplinary course content.
- Course information on these Elective Groups is listed in the Undergraduate Class Schedule and on the University website at concordia.ca/artsci/academics/interdisciplinary/elective-groups.

The Basics of Business

Requirements

Please see the The Basics of Business Elective Group listed under the John Molson School of Business Section 61.140 Program Options for Non-Business Students for the list of course requirements.

Econometrics and Programming

Requirements

Econometrics and Programming (15 credits)

12 credits:

- COMP 218 Fundamentals of Programming (3.00)
- ECON 324 Economic Data Analysis (3.00)
- ECON 325 Mathematics for Economists I (3.00)
- ECON 421 Econometrics I (3.00)

3 credits chosen from:

- ECON 326 Mathematics for Economists II (3.00)
- ECON 422 Econometrics II (3.00)
- ECON 423 Topics in Applied Econometrics (3.00)
- ECON 425 Mathematics for Advanced Study in Economics (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- Students enrolled in this elective group may have certain ECON prerequisites waived depending on their academic background and in consultation with an advisor in the Department of Economics.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Equity, Diversity, and Inclusion

Requirements

Equity, Diversity, and Inclusion (15 credits)

15 credits chosen from the following groups:

General Introductory Courses

Cultural Studies Courses

Gender and Sexuality Courses

Indigenous Studies Courses

Race and Ethnicity Courses

General Introductory Courses

- LOYC 230 Globalization and Diversity (3.00)
- LOYC 298 Selected Topics in the Loyola College for Diversity and Sustainability (3.00)

Note: Students who select a LOYC 298 course must have the topic pre-approved by the Loyola College for Diversity and Sustainability.

Cultural Studies Courses

- ANTH 202 Introduction to Culture (3.00)
- LOYC 340 Culture and Communication (3.00)
- RELI 366 Religion and Music (3.00)
- RELI 3950 Cultural Diversity and Canadian Film (3.00)

Gender and Sexuality Courses

- ANTH 276 Gender and Society (3.00)
- ANTH 375 Social Construction of Sexualities (3.00)
- HIST 305 Race and Gender in Canadian History (3.00)
- RELI 233 Introduction to Women and Religion (3.00)
- SOCI 276 Gender and Society (3.00)

- SOCI 375 Social Construction of Sexualities (3.00)

Indigenous Studies Courses

- ANTH 204 Indigenous Peoples of North America (3.00)
- ANTH 303 Indigenous Resurgence (3.00)
- RELI 250 Decolonizing the Local: Concordia University and Montreal (3.00)
- RELI 368 Religion and Indigenous Traditions (3.00)
- SOCI 303 Indigenous Resurgence (3.00)
- THEO 243 Indigenous Spirituality (3.00)

Race and Ethnicity Courses

- ANTH 230 Race and Ethnic Relations (3.00)
- HIST 305 Race and Gender in Canadian History (3.00)
- LOYC 211 Black Montreal (3.00)
- SOCI 230 Race and Ethnic Relations (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- Students enrolled in this elective group may have certain SOCI prerequisites waived depending on their academic background and in consultation with an advisor in the Department of Sociology and Anthropology.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Health and Lifestyle

Requirements

Health and Lifestyle (18 credits)

18 credits chosen from:

- AHSC 241 Recreation and Leisure in Contemporary Society (3.00)
- AHSC 312 Sexuality in Human Relations (3.00)
- AHSC 350 Leisure Education in Therapeutic Recreation and Leisure Services (3.00)
- AHSC 360 Play, Adult Learning and Development (3.00)
- AHSC 444 The Older Adult and Leisure (3.00)
- BIOL 203 Fundamental Nutrition (3.00)
- EDUC 406 Physical Activity: Health and Well-being in Early Childhood Settings (3.00)
- EXCI 233 Current Issues in Personal and Community Health (3.00)
- GEOG 473 Environment and Health (3.00)
- RELI 371 Care and Healing (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Hellenic Studies

Requirements

Hellenic Studies (18 credits)

18 credits chosen from:

- CLAS 211 Greek Literature (3.00)
- CLAS 240 Greek History from the Bronze Age to Alexander (3.00)
- CLAS 330 Greek Drama (3.00)
- CLAS 341 Greek History from Alexander to the Roman Conquest (3.00)
- CLAS 353 Representations of Women in Ancient Greece and Rome (3.00)
- CLAS 364 Classical Greek Art and Archaeology (3.00)
- CLAS 365 Art and Archaeology of the Hellenistic Age (3.00)
- HIST 223 Greek History from the Bronze Age to Alexander (3.00)
- HIST 323 Greek History from Alexander to the Roman Conquest (3.00)
- MGRK 290 Modern Greek (6.00)
- PHIL 260 Presocratics and Plato (3.00)
- PHIL 261 Aristotle and Hellenistic Philosophy (3.00)
- POLI 206 Introduction to Western Political Theory (3.00)
- RELI 320 The Making of Christianity (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Indigenous Land-Based Education

Requirements

Indigenous Land-Based Education (12 credits)

12 credits:

- FPST 210 Haudenosaunee Peoples (3.00)
- ILBE 301 Indigenous Land-Based Field Studies Part I (3.00)
- ILBE 302 Indigenous Land-Based Field Studies Part II (3.00)
- ILBE 403 Integrative Seminar on Indigenous Sustainability and Self-Determination (3.00)

Notes

- Students are expected to complete these courses in one academic year.
- Students enrolled in this elective group who have not registered for a course for four consecutive terms may be withdrawn.
- Students must contact the School of Community and Public Affairs at scpa@concordia.ca for enrolment in these courses and elective group.

Indigenous Studies

Requirements

Indigenous Studies (15 credits)

15 credits chosen from:

- ANTH 202 Introduction to Culture (3.00)
- ANTH 203 Culture and Biology (3.00)
- ANTH 204 Indigenous Peoples of North America (3.00)
- ANTH 302 Art, Aesthetics, and Anthropology (3.00)
- ANTH 303 Indigenous Resurgence (3.00)
- ARTH 376 Topics in Indigenous Art (3.00)
- COMS 419 Communication and Indigenous Media (3.00)
- ENGL 380 Indigenous Literatures (3.00)
- ENGL 3811 Critical Perspectives on Settler Colonialism (3.00)
- FMST 217 First Peoples' Cinema (3.00)
- FPST 201 Introduction to First Peoples Studies (3.00)
- FPST 203 First Peoples of Canada (3.00)
- GEOG 203 Canadian Environmental Issues (3.00)
- GEOG 407 Indigenous Peoples and the Environment (3.00)
- HIST 203 History of Canada, Pre-Confederation (3.00)
- RELI 368 Religion and Indigenous Traditions (3.00)
- SOCI 303 Indigenous Resurgence (3.00)
- THEO 243 Indigenous Spirituality (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Innovation Mindset

Requirements

Innovation Mindset (9 credits)

9 credits:

- INOV 200 Innovation Models and Concepts (3.00)
- INOV 300 Innovation Methods and Strategies (3.00)
- INOV 400 Applied Innovation Project (3.00)

Notes

Students are responsible for verifying any prerequisite requirements associated with courses.

Introduction to Life Sciences

Requirements

Introduction to Life Sciences (18 credits)

18 credits chosen from:

- AHSC 220 Lifespan Growth and Development for Practitioners (3.00)
- AHSC 281 Introduction to Therapeutic Recreation (3.00)
- ANTH 203 Culture and Biology (3.00)
- ANTH 332 Health, Illness and Healing in Cross-Cultural Perspective (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 330 Vertebrate Biology (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 380 Nutrition (3.00)
- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)
- CHEM 217 Introductory Analytical Chemistry I (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 222 Introductory Organic Chemistry II (3.00)
- CHEM 271 Biochemistry I (3.00)
- CHEM 375 Biochemistry II (3.00)
- EXCI 253 Human Anatomy I: Musculoskeletal Anatomy (3.00)
- EXCI 254 Human Anatomy II: Systemic Anatomy (3.00)
- NEUR 355 Fundamentals of Neuroscience (3.00)
- PHIL 235 Biomedical Ethics (3.00)
- SOCI 261 Social Problems (3.00)
- SOCI 274 The Sociology of Aging (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Legal Studies

Requirements

Legal Studies (18 credits)

18 credits chosen from:

- AHSC 421 Political and Legal Aspects of Leisure Services (3.00)
- ANTH 363 Law and Society (3.00)
- JOUR 216 Law and Ethics in Journalism (3.00)
- MANA 298 Business Law (3.00)
- PHIL 343 Philosophy of Law: General Jurisprudence (3.00)
- PHIL 345 Legal Philosophy: Legal Rights and Duties (3.00)
- POLI 204 Introduction to Canadian Politics (3.00)
- POLI 321 Canadian and Quebec Law (3.00)
- POLI 325 Administrative Law (3.00)
- POLI 328 Public Policy and the Politics of Equality (3.00)
- POLI 339 Quebec Politics and Society/La vie politique québécoise (3.00)
- PSYC 342 Forensic Psychology (3.00)
- SOCI 262 Social Deviance (3.00)
- SOCI 263 Youth Crime and Deviance (3.00)
- SOCI 362 Introduction to Criminology (3.00)
- SOCI 363 Law and Society (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Management for Non-Business Students

Requirements

Please see the Management Elective Group for Non-Business Students listed under the John Molson School of Business Section 61.140 Program Options for Non-Business Students for the list of course requirements.

Marketing for Non-Business Students

Requirements

Please see the Marketing Elective Group for Non-Business Students listed under the John Molson School of Business Section 61.140 Program Options for Non-Business Students for the list of course requirements.

The Planet Earth: Studies in the Environment

Requirements

Planet Earth: Studies in the Environment (18 credits)

18 credits chosen from:

- CHEM 208 Chemistry in Our Lives (3.00)
- ECON 391 Economics of the Environment (3.00)
- GEOG 203 Canadian Environmental Issues (3.00)
- GEOG 204 Global Environmental Issues (3.00)
- GEOG 272 The Natural Environment: Air and Water (3.00)
- GEOG 274 The Natural Environment: Land and Life (3.00)
- GEOG 290 Environment and Society (3.00)
- GEOG 377 Landform Evolution (3.00)
- GEOL 203 Introduction to Environmental Geology (3.00)
- GEOL 206 Earthquakes, Volcanoes, and Plate Tectonics (3.00)
- GEOL 208 The Earth, Moon and the Planets (3.00)
- GEOL 210 Introduction to the Earth (3.00)
- PHYS 200 Frontiers in Physics – Without Mathematics (3.00)
- PHYS 273 Energy and Environment (3.00)
- POLI 394 Globalization and Sustainable Development (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Preparing for Success in the Workplace

Requirements

Preparing for Success in the Workplace (18 credits)

18 credits chosen from:

Courses related to issues and practices:

- AHSC 230 Interpersonal Communication and Relationships (3.00)
- AHSC 270 Introduction to Human Relations Theory and Research (3.00)
- AHSC 315 Interviewing (3.00)
- COMS 360 Mass Media (3.00)
- JOUR 215 Contemporary News Media (3.00)
- MARK 201 Introduction to Marketing (3.00)
- PHIL 235 Biomedical Ethics (3.00)
- RELI 310 Self and Other: Identity and Ethical Development (3.00)
- RELI 312 Justice and Social Conflict in a Globalized World (3.00)

Courses related to skills:

- EDUC 240 Introduction to Training and Development (3.00)
- EDUC 270 Educational Communication (3.00)
- ENGL 212 English Composition — Stage I (3.00)
- ENGL 213 English Composition — Stage II (3.00)
- ENGL 396 Content Creation and Management in Professional Writing (6.00)
- INST 250 Introductory Information Literacy Skills (3.00)
- INTE 296 Discover Statistics (3.00)
- PHIL 210 Critical Thinking (3.00)
- STAT 2096 Discover Statistics (3.00)

Note: The following courses are cross-listed:

INTE 296 and STAT 2096

Note: Several of the courses listed in this elective group are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the elective group requirement. Students may not, however, take both versions of a cross-listed course for credit.

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Quantitative Finance and Insurance

Requirements

Quantitative Finance and Insurance (18 credits)

- MACF 301 Introduction to Quantitative Finance (3.00)
- MAST 218 Multivariable Calculus I (3.00)
- MAST 221 Applied Probability (3.00)
- MAST 333 Applied Statistics (3.00)
- MAST 335 Investment Mathematics (3.00)
- MAST 336 Insurance Mathematics (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- Students who are exempt from any required courses are responsible for replacing these credits in consultation with an undergraduate program advisor.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Quebec Studies

Requirements

Quebec Studies (18 credits)

18 credits chosen from:

- ENGL 244 Quebec/Montreal Writing in English (3.00)
- FLIT 305 Littérature et culture québécoises (3.00)
- FLIT 341 Littérature québécoise de 1900 à 1960 (3.00)
- FLIT 343 Littérature québécoise de 1960 à 1980 (3.00)
- FLIT 351 Théâtre québécois (3.00)
- FLIT 447 Les voix de Montréal (3.00)
- FLIT 449 Littérature québécoise – Canadian Literature (3.00)
- HIST 209 Quebec to 1867 (3.00)
- HIST 210 Quebec since Confederation (3.00)
- HIST 307 History of Montreal (3.00)
- HIST 308 Cultures in Contact: A History of Migration (3.00)
- HIST 313 Quebec in the 19th Century (3.00)
- HIST 314 Quebec in the 20th Century (3.00)
- JOUR 210 The Media in Quebec (3.00)
- POLI 204 Introduction to Canadian Politics (3.00)
- POLI 308 Politics of Emerging Economies (3.00)
- POLI 321 Canadian and Quebec Law (3.00)
- SOCI 280 Debates and Challenges in Contemporary Quebec Society / La Société québécoise : défis et enjeux (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Spanish America

Requirements

Spanish America (18 credits)

18 credits chosen from:

- GEOG 209 The Geography of a Selected Region (3.00)
- HIST 276 History of Latin America: The Colonial Period (3.00)
- HIST 277 History of Latin America: The Modern Period (3.00)
- POLI 379 Politics of Latin America (3.00)
- POLI 483 State and Society in Latin America (3.00)
- SPAN 240 Intermediate Spanish: Intensive Course (6.00)
- SPAN 241 Intermediate Spanish I (3.00)
- SPAN 242 Intermediate Spanish II (3.00)
- SPAN 301 Grammar and the Process of Writing I (3.00)
- SPAN 302 Grammar and the Process of Writing II (3.00)
- SPAN 362 Cultures of Mexico, the Central American Region, and the Spanish Caribbean (3.00)
- SPAN 363 Cultures of the Southern Cone and the Andean Region (3.00)
- SPAN 464 Current Issues in the Hispanic Cultures: Spanish America (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Sustainability Studies

Requirements

Sustainability Studies (15 credits)

3 credits chosen from:

- BIOL 205 Introduction to Sustainability (3.00)
- LOYC 205 Introduction to Sustainability (3.00)

Note: The following courses are cross-listed:

BIOL 205 and LOYC 205.

3 credits:

- LOYC 320 Biodiversity on Earth (3.00)

9 credits chosen from:

- ANTH 384 Food and Sustainability (3.00)
- ANTH 450 Social Economy and Sustainable Futures (3.00)
- BIOL 203 Fundamental Nutrition (3.00)
- GEOG 203 Canadian Environmental Issues (3.00)
- GEOG 204 Global Environmental Issues (3.00)
- HIST 395 Global Environmental History (3.00)
- LOYC 220 The Contemporary World (3.00)
- LOYC 230 Globalization and Diversity (3.00)
- LOYC 240 Global Environmental Issues and Ecological Justice (3.00)
- LOYC 260 Introduction to Environmental Sustainability: Cosmologies, Principles, and Issues (3.00)
- LOYC 298 Selected Topics in the Loyola College for Diversity and Sustainability (3.00)
- LOYC 340 Culture and Communication (3.00)
- LOYC 380 Sustainable Development (3.00)
- LOYC 397 Perspectives on Animals and Sustainability (3.00)
- LOYC 398 Selected Topics in the Loyola College for Diversity and Sustainability (3.00)
- LOYC 420 Integrative Project (3.00)
- LOYC 421 Directed and Independent Study (3.00)
- MANA 369 Business and Sustainability (3.00)
- MANA 374 Sustainable Management (3.00)
- PHIL 210 Critical Thinking (3.00)

- PHIL 220 Introduction to the Philosophy of Science (3.00)
- PHIL 236 Environmental Ethics (3.00)
- PHYS 273 Energy and Environment (3.00)
- RELI 312 Justice and Social Conflict in a Globalized World (3.00)
- RELI 3970 Perspectives on Animals and Sustainability (3.00)
- SOCI 384 Food and Sustainability (3.00)
- SOCI 450 Social Economy and Sustainable Futures (3.00)

Note: Several of the courses listed in this elective group are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the elective group requirement. Students may not, however, take both versions of a cross-listed course for credit.

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- Any course listed in the Minor in Sustainability Studies can also count towards this elective group; however, students are responsible for ensuring they have the necessary prerequisites and/or permissions for courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Understanding Western Myth

Requirements

Understanding Western Myth (15 credits)

15 credits chosen from:

- ANTH 202 Introduction to Culture (3.00)
- ANTH 307 Understanding Myths (3.00)
- CLAS 211 Greek Literature (3.00)
- CLAS 212 Roman Literature (3.00)
- CLAS 265 Mythologies of the Ancient Mediterranean (3.00)
- CLAS 322 Latin Literature of the Augustan Period (3.00)
- CLAS 330 Greek Drama (3.00)
- ENGL 307 The Viking Age in Poetry and Prose (3.00)
- ENGL 316 Spenser (3.00)
- ENGL 319 Milton (3.00)
- ENGL 3200 Shakespeare: Histories and Tragedies (3.00)
- ENGL 3201 Shakespeare: Comedies and Romances (3.00)
- ENGL 355 Joyce (3.00)
- IRST 230 Irish Mythology and Folklore (3.00)
- ITAL 351 Dramatic Representations in Italian Cinema and Culture (3.00)
- ITAL 367 Cultural Views of Italy (3.00)
- ITAL 415 Dante and the Middle Ages (3.00)
- ITAL 427 Italian Humanism and the Renaissance (3.00)
- RELI 301 The Hebrew Bible (3.00)
- RELI 3350 The Bible and Contemporary Literature (3.00)
- RELI 365 Religion and Literature (3.00)
- RELI 394 History of Satan: Evil Personified in Judaism and Christianity (3.00)
- SPAN 310 Hispanic Literature from the 12th to the 17th Centuries (3.00)
- SPAN 320 Defining Difference in Spanish America: Literature from 1500 to 1880 (3.00)
- SPAN 362 Cultures of Mexico, the Central American Region, and the Spanish Caribbean (3.00)
- SPAN 363 Cultures of the Southern Cone and the Andean Region (3.00)
- SPAN 365 The History of Spanish Culture (3.00)
- SPAN 406 Medieval Iberian Literatures, 1100-1500 (3.00)

- SPAN 412 Drama and Poetry in Renaissance and Baroque Spain, 1500-1690 (3.00)
- SPAN 420 Dictatorship and Exile in Modern Spain, 1939-1975 (3.00)
- SPAN 453 From Object to Subject: Women and Discourse in Spain and Spanish America (3.00)
- SPAN 472 Discourses of Discovery, Colonization, and Resistance in Spain and Spanish America (3.00)
- THEO 226 Theology and Myth (3.00)
- THEO 234 Pilgrim Bodies, Sacred Journeys (3.00)
- THEO 242 Theology and the Arts (3.00)
- THEO 337 The Christian Sacraments (3.00)
- THEO 393 Philosophical Foundations of Christian Theology (3.00)

Notes

- Students are responsible for verifying any prerequisite requirements associated with courses.
- All course substitutions must be in a related topic and approved by Student Academic Services.

Interdisciplinary Courses

Quick Links

Black and African Diaspora Studies in the Canadian Context Courses

Innovation Mindset Courses

Interdisciplinary Studies Courses

Notes

Many courses which have an interdisciplinary approach and are recommended and/or required by a variety of departments are listed in this section.

Black and African Diaspora Studies in the Canadian Context Courses

BLST 200 Introduction to Black Studies in the Canadian Context (3 credits)

(also listed as FFAR 200)

Prerequisite/Corequisite:

Enrolment in the Minor in Black and African Diaspora Studies in the Canadian Context or in the Certificate in Black and African Diaspora Studies in the Canadian Context is required.

Description:

This interdisciplinary course offers a broad introduction to Black Studies. Emphasis is placed on themes of Blackness in the Canadian context. This course introduces students to foundational texts and creative expressions covering histories, cultures, and philosophies, using debates and academic traditions of Black scholars in the field. Students develop critical vocabulary and frameworks through the study of Canada's diverse Black populations and of the African diaspora.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FFAR 200 may not take this course for credit.

BLST 211 Black Montreal (3 credits)

(also listed as LOYC 211)

Prerequisite/Corequisite:

Enrolment in the Minor in Black and African Diaspora Studies in the Canadian Context or in the Certificate in Black and African Diaspora Studies in the Canadian Context is required.

Description:

This course introduces students to the major themes, issues, and debates in Montreal's Black history from its origins until today. Students gain an understanding of how Black communities lived, worked, socialized, and defined themselves in Montreal.

Component(s):

"Lecture"

Notes:

- Students who have received credit for LOYC 211, or for this topic under a LOYC 298 number, may not take this course for credit.

BLST 230 Race and Ethnic Relations (3 credits)

(also listed as ANTH 230/ SOCI 230)

Prerequisite/Corequisite:

Enrolment in the Minor in Black and African Diaspora Studies in the Canadian Context or in the Certificate in Black and African Diaspora Studies in the Canadian Context is required.

Description:

Race and ethnicity are examined as bases of social differentiation. Ethnic group relations are analyzed in relation to stratification and the exercise of power. The course further involves exploration of the phenomena of discrimination, prejudice, and intergroup accommodation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ANTH 230 or SOCI 230 may not take this course for credit.

Innovation Mindset Courses

INOV 200 Innovation Models and Concepts (3 credits)

Description:

This course introduces students to frameworks and concepts that are foundational to understanding and driving innovation in organizations. Through a combination of lectures, discussions, and hands-on activities, students learn about design thinking and systemic design – two key models to foster innovation. Through practical application of design thinking or systemic design, students discover innovation concepts such as exploring challenging innovation areas, conducting user interviews, creating visual syntheses, writing reframing statements, brainstorming, prototyping, conducting usability tests and developing an innovation concept proposal. They learn about the different types of innovation, including incremental, radical, and disruptive innovation, and their particularities in terms of impact, influence and potential.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an INTE 298 number may not take this course for credit.

INOV 300 Innovation Methods and Strategies (3 credits)

Description:

This course introduces students to a range of instruments, techniques and approaches to collecting data that inform innovation projects or assess innovation ideas. Through a combination of lectures, case studies and hands-on activities, students develop knowledge of ethnographic fieldwork, interview techniques and focus groups to collect and analyze data about customer needs and market trends in a context of economic disruption. They also learn to report findings through writing a narrative in a storytelling approach and to pitch an innovation idea or concept. Students are given the opportunity to apply their knowledge and develop their confidence through a series of hands-on activities and a culmination project.

Component(s):

"Lecture"

INOV 400 Applied Innovation Project (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: INOV 200 and INOV 300.

Description:

The purpose of the applied innovation project is to provide a capstone experience where students demonstrate the knowledge, skills, and experience acquired to become confident innovators in their careers. Students apply models, concepts, methods, and strategies learned in the foundational innovation courses to a real-world problem or challenge. It involves a real-world project in which students identify a problem or opportunity, conduct research and analysis, develop and test innovative solutions, and present findings to stakeholders. Students work in teams to complete projects and are guided throughout the development process by the instructor, mentors or industry experts.

Component(s):

"Lecture"

Interdisciplinary Studies Courses

INTE 296 Discover Statistics (3 credits)

(also listed as STAT 2096)

Description:

This course introduces students to the basics of statistics and is aimed at mastering the elementary analytical concepts of the subject. Topics include descriptive statistics, correlation and regression analysis, experimental analysis (test procedures), probability (distribution and theory), hypothesis testing, and analysis of variance.

Component(s):

"Online"

Notes:

- Students in programs requiring a statistics course may not take this course for credit to be applied to their program of concentration.
- Students who have received credit for BIOL 322, COMM 215, ECON 221, ECON 222, GEOG 362, MAST 221, MAST 333, PSYC 315, SOCI 212, STAT 2096, STAT 249, or for this topic under an INTE 298 number, may not take this course for credit.

INTE 298 Special Topics (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

INTE 299 Special Topics (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

INTE 398 Special Topics (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

INTE 399 Special Topics (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

INTE 498 Special Topics (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

INTE 499 Special Topics (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.180 Department of Journalism

Department of Journalism

Journalism Programs
- Admission and Graduation Requirements
- BA Major in Journalism
- Minor in Science Journalism

Journalism Co-operative Program

Department of Journalism Courses

Department of Journalism

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/journalism.html

Department Objectives

The Major in Journalism is designed to produce intelligent, thoughtful, and versatile journalists and writers who engage citizens in a democratic society, helping them make informed decisions about their communities. The Minor in Science Journalism has the same foundations and focuses on the communication of scientific topics. Above all, journalism is a rigorous intellectual activity with professional standards for gathering, processing, and disseminating information.

The Department of Journalism offers a professional education that combines writing and production workshops, requiring students to complete real-world assignments according to professional and ethical standards, with lectures and seminars that critically examine the social and political contexts in which journalism is produced. The programs offered by the Department of Journalism are designed to prepare graduates for the English-language media.

The Department is proud to participate in the Kaié:ri Nikawerá:ke Indigenous Bridging Program for BA Journalism students. This program offers alternative entry to eligible Indigenous students, specifically from First Nations, Métis and Inuit communities located in Canada, whose academic path is non-traditional. Students who successfully complete this bridging program will be able to transition to the program of their choice within the Department of Journalism. For admissions criteria, please consult the following pages:

- Kaié:ri Nikawerá:ke Indigenous Bridging Program under Section 14 Alternative Entry
- Kaié:ri Nikawerá:ke Indigenous Bridging Program for BA Journalism under Section 31.002 Programs and Admission Requirements

Please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program website for more information:

concordia.ca/students/new/indigenous-bridging-program

Admission and Graduation Requirements

Enrolment in courses offered by the Department of Journalism is limited and depends on the applicants' successful completion of the admission procedures outlined in the following paragraphs. All applicants to the Major in Journalism and the Minor in Science Journalism should apply through the Concordia University Admissions Application Centre. More information can be found at concordia.ca/artsci/journalism/programs/undergraduate.

A student must achieve a final mark of "C" or better in the reporting workshops in order to proceed to the next level. To graduate with a Major in Journalism, a student must demonstrate a working knowledge of French. Tests of oral proficiency in French are administered by the Département d'études françaises on behalf of the Department of Journalism, which is responsible for the final evaluation of each student's competence. To graduate with a Major in Journalism, a student must also have a minor or an additional major in another discipline.

BA Major in Journalism

Program Requirements

Major in Journalism (45 credits)

18 credits from Stage I: Journalism

12 credits from Stage II: Journalism

15 credits from Stage III: Journalism

Stage I: Journalism (18 credits)

18 credits:

- JOUR 205 Principles of Journalistic Thought and Practice (3.00)
- JOUR 206 Introduction to Reporting (3.00)
- JOUR 207 Introduction to Multimedia (3.00)
- JOUR 208 Intermediate Reporting (3.00)
- JOUR 209 Intermediate Multimedia (3.00)
- JOUR 216 Law and Ethics in Journalism (3.00)

Stage II: Journalism (12 credits)

6 credits:

- JOUR 302 Reporting and Research Methods for Journalism (3.00)
- JOUR 321 Visual Journalism (3.00)

6 credits chosen from:

- JOUR 303 Feature Writing (3.00)
- JOUR 309 Editing and Page Design (3.00)
- JOUR 310 Gender, Diversity and Journalism (3.00)
- JOUR 325 Social Media and Mobile Reporting (3.00)
- JOUR 330 Radio Newsroom (3.00)
- JOUR 335 Alternative Journalism (3.00)
- JOUR 398 Special Topics in Journalism (3.00)

Stage III: Journalism (15 credits)

6 credits:

- JOUR 443 The Digital Magazine (3.00)
- JOUR 444 Critical Approaches to Journalism (3.00)

9 credits chosen from:

- JOUR 402 Specialist Reporting (3.00)
- JOUR 404 Magazine Writing (3.00)
- JOUR 421 Advanced Video Journalism (3.00)
- JOUR 432 Documentary Video and Radio (3.00)
- JOUR 437 Turning Points in Journalism History (3.00)
- JOUR 442 International Journalism (3.00)
- JOUR 445 Advanced Photojournalism (3.00)
- JOUR 450 Journalism Practicum (3.00)
- JOUR 451 Independent Study (3.00)
- JOUR 463 Literary Journalism (3.00)
- JOUR 498 Advanced Special Topics in Journalism (3.00)

Notes

- A limited number of students who have been admitted to the Major in Journalism program may be allowed to register in the Science College, with a view to combining a basic understanding of science with a training in journalism.
- To graduate with a Major in Journalism, students are required to complete a minor or a major in another subject.
- Students are responsible for satisfying their particular degree requirements.

Minor in Science Journalism

Program Requirements

Minor in Science Journalism (24 credits)

12 credits:

- JOUR 206 Introduction to Reporting (3.00)
- JOUR 207 Introduction to Multimedia (3.00)
- JOUR 340 Communicating Science with Society (3.00)
- JOUR 402 Specialist Reporting (3.00)

12 credits chosen from:

- JOUR 205 Principles of Journalistic Thought and Practice (3.00)
- JOUR 208 Intermediate Reporting (3.00)
- JOUR 209 Intermediate Multimedia (3.00)
- JOUR 215 Contemporary News Media (3.00)
- JOUR 216 Law and Ethics in Journalism (3.00)
- JOUR 298 Special Topics in Journalism (3.00)
- JOUR 302 Reporting and Research Methods for Journalism (3.00)
- JOUR 325 Social Media and Mobile Reporting (3.00)
- JOUR 451 Independent Study (3.00)
- COMS 360 Mass Media (3.00)
- COMS 361 Propaganda (3.00)
- ENGL 391 Studies in Health Humanities and Literature (3.00)
- LOYC 340 Culture and Communication (3.00)

Note: With permission of the program director, up to six of the 12 elective credits can be taken in alternative courses, if these courses meet the goals of the program.

Notes

- This minor is intended for students enrolled in a BSc program. Students registered in a science-related program or another discipline are eligible with permission of the Department.
- Students are responsible for satisfying their particular degree requirements.

Journalism Co-operative Program

The Co-op Program

The Journalism co-operative program is offered to full-time students who are enrolled in the BA major program in the Department of Journalism. Students who meet the academic requirements for co-op are eligible to apply. The academic content is very similar to that of the regular programs, with some specific recommendations for courses to improve the students' job skills. Work terms provide co-op students with the opportunity to gain practical journalism experience with a variety of employers. While most of the positions are in the Montreal area, students must be prepared to work in other parts of Canada.

Please refer to Institute for Co-operative Education for additional information.

C.Edge (Career Edge)

The Journalism C.Edge option is offered through the Institute for Co-operative Education. Like the co-operative program, C.Edge allows students to gain practical experience through work terms related to their field of study. Students may complete one and potentially two work terms. The initial work term is normally undertaken during the summer. Students interested in applying for the C.Edge option should refer to Institute for Co-operative Education where a full description is provided.

Department of Journalism Courses

Note

Written work in writing and reporting workshop courses is in English; please consult the Department.

JOUR 205 Principles of Journalistic Thought and Practice (3 credits)

Description:

This course provides a survey of the foundational ideas about journalism and its role in society, from the time of an emergent press to the present. It addresses received ideas about journalism's place in democratic society as well as current critical thought.

Component(s):

"Lecture"

JOUR 206 Introduction to Reporting (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Journalism or the Minor in Science Journalism is required.

Description:

This workshop course lays the foundation for all subsequent reporting and writing courses. Students learn how to do library and online research, structure and conduct interviews, and write news and feature stories for print and digital outlets. Students learn Canadian Press style.

Component(s):

"Conference"; "Workshop"

Notes:

- Students who have received credit for JOUR 201 may not take this course for credit.

JOUR 207 Introduction to Multimedia (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Journalism or the Minor in Science Journalism is required.

Description:

This workshop course introduces students to the use of technology across all digital news platforms, including audio and visual equipment and software. It focuses on the development of the necessary professional, technical and aesthetic skills to produce editorially sound audio and visual stories. Students are expected to master the use of cameras, recording equipment, and editing software as well as basic digital tools for journalists.

Component(s):

"Conference"; "Workshop"

Notes:

- Students who have received credit for JOUR 200, JOUR 203 or JOUR 221 may not take this course for credit.

JOUR 208 Intermediate Reporting (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 206 and JOUR 207.

Description:

This workshop course builds on reporting, writing and research fundamentals with increased emphasis on reporting stories in the community. Practical out-of-class assignments focus on the city of Montreal. Students are expected to report on public events, conduct interviews, and write news and feature stories for print and digital outlets.

Component(s):

"Conference"; "Workshop"

Notes:

- Students who have received credit for JOUR 201 may not take this course for credit.

JOUR 209 Intermediate Multimedia (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 206 and JOUR 207.

Description:

This workshop course expands on technical and editorial fundamentals with increased emphasis on the use of digital news technology in journalistic storytelling. Students also learn the basics of web layout and design, CMS, and writing formats for these news platforms. Students strengthen their skills by producing multimedia stories using the city of Montreal as their focus.

Component(s):

"Conference"; "Workshop"

Notes:

- Students who have received credit for JOUR 221 may not take this course for credit.

JOUR 210 The Media in Quebec (3 credits)

Description:

This course considers the current reality of the Quebec news media as they have been informed by the history of journalism in Quebec. The course situates the media in Quebec within broader philosophical and sociological currents informing the understanding of journalism as an institution. Some of the reading material for this course is in French.

Component(s):

"Lecture"

Notes:

- Students who have received credit for JOUR 305 may not take this course for credit.

JOUR 212 Introduction to Indigenous Journalism (3 credits)

Description:

This course examines traditional media coverage of Indigenous Peoples and communities, and gives students a foundational knowledge of Indigenous journalism.Students learn about Indigenous history and experiences, their own positionality, and ways in which journalism can improve its practices when it comes to reporting on Indigenous-related stories.

Component(s):

"Seminar"

JOUR 215 Contemporary News Media (3 credits)

Description:

This course introduces students to the increasingly complex structures of modern media, and considers them in the context of journalism ideals. It examines the organizations, practices and problems of news media, focusing on key functions in day-to-day activities. In any given year, it may explore in detail a particular development or problem in the news media.

Component(s):

"Lecture"

JOUR 216 Law and Ethics in Journalism (3 credits)

Prerequisite/Corequisite:

The following course must be completed: JOUR 206 and JOUR 207.

Description:

This course looks at issues and practices in journalism within the contexts of law and ethics. It aims to provide students with an understanding of professional standards and legal norms, together with a strong foundation in ethical reasoning.

Component(s):

"Lecture"

Notes:

- Students who have received credit for JOUR 316, JOUR 317 or COMS 453 may not take this course for credit.

JOUR 298 Special Topics in Journalism (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

JOUR 302 Reporting and Research Methods for Journalism (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 206, JOUR 207, JOUR 208 and JOUR 209.

Description:

This course introduces students to research methods with a particular focus on primary sources, such as official documents, legal and financial records, access-to-information requests, electronic databases, as well as in-depth interviews. These methods are treated as both sources of story ideas and as essential elements of good reporting.

Component(s):

"Workshop"

JOUR 303 Feature Writing (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 206, JOUR 207, JOUR 208 and JOUR 209.

Description:

This workshop course is designed to help students develop and enhance their writing abilities, preparing for the broadest range of long-form journalism, from brief colour stories and profiles to in-depth and long-form articles. It consolidates interview techniques and introduces a variety of writing approaches, including long-form journalism.

Component(s):

"Workshop"

JOUR 309 Editing and Page Design (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 206, JOUR 207, JOUR 208 and JOUR 209.

Description:

This workshop course develops students' copy-editing skills and introduces them to the fundamentals of page layout. While the editing component of the course is designed primarily for students in journalism, the techniques employed are applicable to all media forms.

Component(s):

"Workshop"

JOUR 310 Gender, Diversity and Journalism (3 credits)

Prerequisite/Corequisite:

Students must complete 30 credits in their degree program prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on gender and diversity issues in journalism, ranging from the historical context to more contemporary material. It addresses the ways in which gender and diversity affect journalism as both a practice and an institution.

Component(s):

"Lecture"

Notes:

- Students who have received credit for JOUR 320 or JOUR 420, or for this topic under a JOUR 398 number, may not take this course for credit.

JOUR 321 Visual Journalism (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 206, JOUR 207, JOUR 208 and JOUR 209.

Description:

This workshop course advances video and photography skills already introduced, including those involved in all forms of digital newsgathering. Students refine reporting, writing, recording and editing skills in a visual production context to produce editorially sound and aesthetically acceptable stories.

Component(s):

"Workshop"

Notes:

- Students who have received credit for JOUR 336 or JOUR 339 may not take this course for credit.

JOUR 325 Social Media and Mobile Reporting (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 206, JOUR 207, JOUR 208 and JOUR 209.

Description:

This workshop course emphasizes the professional and ethical use of social media and mobile technology to report on current affairs topics. Students are expected to use all forms of social media to report on the community.

Component(s):

"Workshop"

JOUR 330 Radio Newsroom (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 207 and JOUR 209.

Description:

This workshop course replicates the working conditions and journalistic expectations of a radio newsroom. Students assume various journalistic positions, including assignment editor, reporter, and newsreader, working to deadline to produce a live radio newscast.

Component(s):

"Workshop"

JOUR 335 Alternative Journalism (3 credits)

Prerequisite/Corequisite:

Students must complete 30 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course considers the alternative news organizations in a variety of media forms. It examines both historical and contemporary examples in the context of an expanding and diversifying media landscape.

Component(s):

"Lecture"; "Workshop"

Notes:

- Students who have received credit for JOUR 435 or for this topic under a JOUR 298 number may not take this course for credit.

JOUR 340 Communicating Science with Society (3 credits)

Description:

This is an experiential course that blends journalism theory and practice to examine issues and practices related to the communication of science with society. Students learn to both produce and critique science journalism in a variety of multimedia formats.

JOUR 398 Special Topics in Journalism (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

JOUR 402 Specialist Reporting (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 302. If prerequisites are not satisfied, permission of the Department is required.

Description:

This workshop course focuses on a specified topic area and introduces students to the particular "beat" reporting and analytical demands of the topic and the institutions that form the basis of this reporting specialty.

Component(s):

"Workshop"

JOUR 404 Magazine Writing (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 303. If prerequisites are not satisfied, permission of the Department is required.

Description:

This workshop is designed for those students who want to further develop a set of research and writing skills geared specifically to the magazine market. Students produce magazine articles of publishable quality and shape the stories to fit the needs of a particular magazine by studying the overall market in depth.

Component(s):

"Workshop"

JOUR 412 Indigenous Journalism (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JOUR 302.

Description:

This course critically examines media coverage of Indigenous Peoples and communities, and considers the responsibilities of journalists in shaping the way Indigenous stories are told and understood.Through a unique experiential collaboration with Kahnawà:ke Survival School, students learn the importance of connection and relationships in Indigenous journalism.This course involves fieldwork with high school students in Kahnawà:ke, as they produce an original piece of journalism about their community for the Canadian Broadcasting Corporation.

Component(s):

"Seminar"

JOUR 421 Advanced Video Journalism (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JOUR 321.

Description:

This workshop course focuses on studio and field production of public affairs programming. Students produce long- and short-form video journalism, contributing to the Department's Digital Magazine and to their professional portfolio. Students learn basic studio production techniques.

Component(s):

"Studio"; "Workshop"; "Fieldwork"

JOUR 432 Documentary Video and Radio (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 321.

Description:

This workshop course is for students who wish to explore long-form journalism in sound and pictures, in particular, the television or radio current affairs documentary. Through assignments, class discussions, and exposure to notable examples of the form, students learn the fundamentals of long-form documentary news production.

JOUR 436 Citizen Journalism (3 credits)

Prerequisite/Corequisite:

Students must complete 60 credits in their degree program prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course considers the challenges to mainstream journalism and addresses the particularities of citizen journalism, including its sourcing and presentation strategies, and organizational structures. Students learn how to apply basic technologies involved in citizen journalism.

Component(s):

"Lecture"; "Workshop"

Notes:

- Students who have received credit for this topic under a JOUR 398 number may not take this course for credit.

JOUR 437 Turning Points in Journalism History (3 credits)

Prerequisite/Corequisite:

Students must complete 60 credits in their degree program prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

By concentrating on seminal moments reflected in a range of news media forms, this course examines technological, socio-cultural, political, and historical trends that have contributed to journalism's development as a set of complex practices. Special attention is given to innovative journalists who have advanced the field.

Component(s):

"Lecture"

Notes:

- Students who have received credit for JOUR 332 may not take this course for credit.

JOUR 442 International Journalism (3 credits)

Prerequisite/Corequisite:

Students must complete 60 credits in their degree program prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines cross-cultural journalism practices as they pertain to both international news coverage and local reporting in a multicultural setting. The course asks students to apply basic theoretical concepts to case studies of the news.

Component(s):

"Lecture"

JOUR 443 The Digital Magazine (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 404, JOUR 421, JOUR 432, or JOUR 445.

Description:

This capstone course requires students to produce the Department's Digital Magazine. The course replicates the working conditions and journalistic expectations of a digital newsroom. Students are expected to work in editorial teams to create current and updated multimedia content throughout the term.

Component(s):

"Workshop"

JOUR 444 Critical Approaches to Journalism (3 credits)

Prerequisite/Corequisite:

Students must complete 60 credits in their degree program prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to a scholarly critique of journalism, both as a practice and as an institution. By interrogating specific readings, students are encouraged to consider the journalist as a cultural producer operating within overlapping social, political, and economic contexts.

Component(s):

"Lecture"

JOUR 445 Advanced Photojournalism (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JOUR 321.

Description:

This workshop course expands on the photojournalism fundamentals, where students apply their knowledge of theory and aesthetics of long- and short-form news photography. Students use digital cameras and other technologies to complete coursework and to master the professional techniques of news photography.

Component(s):

"Workshop"

Notes:

- Students who have received credit for JOUR 366 or 466 may not take this course for credit.

JOUR 450 Journalism Practicum (3 credits)

Prerequisite/Corequisite:

Students must complete 60 credits prior to enrolling. Enrolment in the Major in Journalism or the Minor in Science Journalism is required.

Description:

Students who have demonstrated ability, near the end of their program, undertake a practicum at a recognized media outlet, under the supervision of a senior journalist and with permission of the Department's undergraduate program director.

Component(s):

"Workshop"; "Practicum/Internship/Work Term"

JOUR 451 Independent Study (3 credits)

Prerequisite/Corequisite:

Students must complete 60 credits prior to enrolling. Enrolment in the Major in Journalism or the Minor in Science Journalism is required.

Description:

Students who have demonstrated ability may, near the end of their program, undertake an independent study on a topic not otherwise covered by the program, under the direction of one or more faculty members.

Component(s):

"Tutorial"; "Workshop"

JOUR 463 Literary Journalism (3 credits)

Prerequisite/Corequisite:

Students must complete 60 credits in their degree program prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the literary value of selected, seminal journalistic writings by examining the work of journalists, both past and present, as well as other non-fiction writers, including those in Canada, U.S., U.K., and elsewhere. Students will appreciate how literary styles and conventions can enhance journalistic practices.

Component(s):

"Lecture"

JOUR 498 Advanced Special Topics in Journalism (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"; "Workshop"

Section 31.200 Department of Mathematics and Statistics

Department of Mathematics and Statistics

Mathematics and Statistics Programs

- Mathematics and Statistics Program Notes

Actuarial Mathematics

- BA/BSc Honours in Actuarial Mathematics
- BA/BSc Specialization in Actuarial Mathematics
- BA/BSc Specialization in Actuarial Mathematics/Finance

Data Science

- BA/BSc Joint Major in Data Science

Mathematical and Computational Finance

- BA/BSc Specialization in Mathematical and Computational Finance

Mathematics and Statistics

- BA/BSc Major in Mathematics and Statistics
- Minor in Mathematics and Statistics

Pure and Applied Mathematics

- BA/BSc Honours in Pure and Applied Mathematics
- BA/BSc Specialization in Pure and Applied Mathematics

Quantitative Finance and Insurance

- Minor in Quantitative Finance and Insurance

Statistics

- BA/BSc Honours in Statistics
- BA/BSc Specialization in Statistics

Mathematics and Statistics Co-operative Program

Department of Mathematics and Statistics Courses

Department of Mathematics and Statistics

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/math-stats.html

Department Objectives

The Department of Mathematics and Statistics provides the general mathematical culture necessary for training those who will either be using the tools of mathematics or statistics in their work or who will become future mathematicians or statisticians. For students who are contemplating graduate work in mathematics or statistics, the Department has leading researchers in the fields of actuarial mathematics, applied probability, computational algebra, differential geometry, dynamical systems, mathematical physics, mathematics education, number theory and statistics.

In addition to its co-op program, alternating work and academic terms, the Department offers a program in Actuarial Mathematics and prepares students for the associateship examinations of the Society of Actuaries and the Casualty Actuarial Society. The Department also provides instruction at the remedial and introductory levels to enable students who have been out of school for some time to re-enter the academic stream; and offers special courses for teachers of mathematics who wish to keep abreast of recent ideas and applications.

The Department is proud to participate in the Kaié:ri Nikawerá:ke Indigenous Bridging Program for BSc Mathematics and Statistics students. This program offers alternative entry to eligible Indigenous students, specifically from First Nations, Métis and Inuit communities located in Canada, whose academic path is non-traditional. Students who successfully complete this bridging program will be able to transition to the program of their choice within the Department of Mathematics and Statistics. For admissions criteria, please consult the following pages:

- Kaié:ri Nikawerá:ke Indigenous Bridging Program under Section 14 Alternative Entry
- Kaié:ri Nikawerá:ke Indigenous Bridging Program for General BSc, Mathematics and Statistics Stream, under Section 31.002 Programs and Admission Requirements

Please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program website for more information:
concordia.ca/students/new/indigenous-bridging-program

Mathematics and Statistics Program Notes

- Students are required to complete the appropriate entrance profile for entry into the program (see Section 31.002 Programs and Admission Requirements Profiles).
- A student wishing to follow a program in the Department of Mathematics and Statistics but not meeting the entrance requirements should consult with one of the Department's academic advisors.
- Students can select whether the emphasis of the program will be in the area of Actuarial Mathematics, Data Science, Mathematical and Computational Finance, Pure and Applied Mathematics,Quantitative Finance and Insurance, or Statistics through specialization/honours programs in the respective areas.
- The enrolment in specialization/honours will be on a selective basis, whereas the major will be open to all students. However, students with less than a 70% average in Cegep Mathematics courses will be required to take a six-credit "transition" Calculus and Linear Algebra course (MAST 214) upon entry into the MATH/STAT Major. The course will not count for credits in the major.
- Students wishing to take Engineering Mathematics courses for credit must obtain prior approval of the Department.
- The Department of Mathematics and Statistics offers honours programs as a six-credit extension to its specialization programs in Pure and Applied Mathematics, Statistics, and Actuarial Mathematics. The extra six credits are earned in one of the Project Courses: MATH 496, STAT 499, or ACTU 493.
- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of 30 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.

BA/BSc Honours in Actuarial Mathematics

Program Requirements

Honours in Actuarial Mathematics (66 credits)

24 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MATH 251 Linear Algebra I (3.00)
- MATH 252 Linear Algebra II (3.00)
- MATH 364 Analysis I (3.00)
- STAT 249 Probability I (3.00)
- STAT 250 Statistics (3.00)
- STAT 280 Introduction to Statistical Programming (3.00)

33 credits:

- ACTU 256 Mathematics of Finance (3.00)
- ACTU 257 Actuarial Mathematics I (3.00)
- ACTU 357 Actuarial Mathematics II (3.00)
- ACTU 457 Risk Theory (3.00)
- ACTU 458 Credibility Theory (3.00)
- ACTU 459 Loss Distributions (3.00)
- MACF 301 Introduction to Quantitative Finance (3.00)
- STAT 349 Probability II (3.00)
- STAT 360 Linear Models (3.00)
- STAT 460 Time Series and Forecasting (3.00)
- STAT 461 Statistical Simulation (3.00)

3 credits chosen from:

- ACTU 286 Actuarial Mathematics Lab I (1.00)
- ACTU 386 Actuarial Mathematics Lab II (2.00)
- ACTU 486 Actuarial Mathematics Lab III (2.00)
- MAST 334 Numerical Analysis (3.00)

- MATH 365 Analysis II (3.00)
- STAT 287 Statistics Lab I (1.00)
- STAT 380 Statistical Learning (3.00)

Note: MATH 365 is recommended for students interested in pursuing a graduate degree in Actuarial Mathematics or a related discipline.

6 credits:

- ACTU 493 Honours Project in Actuarial Mathematics (6.00)

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of 30 Concordia University credits. These credits should include program-related courses.
- Students admitted to an honours program require an overall GPA of at least 3.30, and at least 3.50 in their program of specialization with no more than one grade below B-. Students must find a supervisor for their project and register for the appropriate Project Course.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA/BSc Specialization in Actuarial Mathematics

Program Requirements

Specialization in Actuarial Mathematics (60 credits)

24 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MATH 251 Linear Algebra I (3.00)
- MATH 252 Linear Algebra II (3.00)
- MATH 364 Analysis I (3.00)
- STAT 249 Probability I (3.00)
- STAT 250 Statistics (3.00)
- STAT 280 Introduction to Statistical Programming (3.00)

33 credits:

- ACTU 256 Mathematics of Finance (3.00)
- ACTU 257 Actuarial Mathematics I (3.00)
- ACTU 357 Actuarial Mathematics II (3.00)
- ACTU 457 Risk Theory (3.00)
- ACTU 458 Credibility Theory (3.00)
- ACTU 459 Loss Distributions (3.00)
- MACF 301 Introduction to Quantitative Finance (3.00)
- STAT 349 Probability II (3.00)
- STAT 360 Linear Models (3.00)
- STAT 460 Time Series and Forecasting (3.00)
- STAT 461 Statistical Simulation (3.00)

3 credits chosen from:

- ACTU 286 Actuarial Mathematics Lab I (1.00)
- ACTU 386 Actuarial Mathematics Lab II (2.00)
- ACTU 486 Actuarial Mathematics Lab III (2.00)
- MAST 334 Numerical Analysis (3.00)

- MATH 365 Analysis II (3.00)
- STAT 287 Statistics Lab I (1.00)
- STAT 380 Statistical Learning (3.00)

Note: MATH 365 is recommended for students interested in pursuing a graduate degree in Actuarial Mathematics or a related discipline.

Notes

- Students are responsible for satisfying their particular degree requirements.

BA/BSc Specialization in Actuarial Mathematics/Finance

Program Requirements

Specialization in Actuarial Mathematics/Finance (90 credits)

24 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MATH 251 Linear Algebra I (3.00)
- MATH 252 Linear Algebra II (3.00)
- MATH 364 Analysis I (3.00)
- STAT 249 Probability I (3.00)
- STAT 250 Statistics (3.00)
- STAT 280 Introduction to Statistical Programming (3.00)

36 credits:

- ACTU 256 Mathematics of Finance (3.00)
- ACTU 257 Actuarial Mathematics I (3.00)
- ACTU 357 Actuarial Mathematics II (3.00)
- ACTU 457 Risk Theory (3.00)
- ACTU 458 Credibility Theory (3.00)
- ACTU 459 Loss Distributions (3.00)
- MACF 301 Introduction to Quantitative Finance (3.00)
- STAT 349 Probability II (3.00)
- STAT 360 Linear Models (3.00)
- STAT 380 Statistical Learning (3.00)
- STAT 460 Time Series and Forecasting (3.00)
- STAT 461 Statistical Simulation (3.00)

3 credits chosen from:

- ACTU 286 Actuarial Mathematics Lab I (1.00)
- ACTU 386 Actuarial Mathematics Lab II (2.00)
- ACTU 486 Actuarial Mathematics Lab III (2.00)

- MAST 334 Numerical Analysis (3.00)
- MATH 365 Analysis II (3.00)
- STAT 287 Statistics Lab I (1.00)

Note: MATH 365 is recommended for students interested in pursuing a graduate degree in Actuarial Mathematics or related discipline.

15 credits:

- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)
- COMM 221 Financial Markets (3.00)
- ACCO 230 Introduction to Financial Accounting (3.00)
- FINA 395 Theory of Finance II (3.00)

12 credits chosen from Finance Courses at the 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

BA/BSc Joint Major in Data Science

Program Requirements

Joint Major in Data Science (72 credits)

33 credits from the Mathematics and Statistics Course Requirements

39 credits from the Computer Science Course Requirements

Note: the Joint Major in Data Science is offered in collaboration with the Department of Computer Science and Software Engineering.

Mathematics and Statistics Course Requirements (33 credits)

27 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 221 Applied Probability (3.00)
- MAST 234 Linear Algebra and Applications I (3.00)
- MAST 333 Applied Statistics (3.00)
- MAST 334 Numerical Analysis (3.00)
- MAST 387 Data Science Lab (3.00)
- STAT 280 Introduction to Statistical Programming (3.00)
- STAT 380 Statistical Learning (3.00)
- STAT 385 Introduction to Neural Networks (3.00)

Note: Students enrolled in a Mathematics and Statistics program who take probability/statistics courses in other departments may not receive credit for MAST 221 and MAST 333. Students taking a double Major or a Minor in Mathematics and Statistics and whose other program requires statistics courses should consult the Mathematics and Statistics undergraduate program advisor.

Note: MAST 334 may not be replaced with COMP 361; STAT 380 may not be replaced with COMP 432; STAT 385 may not be replaced with COMP 433.

6 credits chosen from:

MACF/MAST/MATH/STAT elective courses at the 300 or 400 level

Computer Science Course Requirements (39 credits)

33 credits:

- COMP 228 System Hardware (3.00)

- COMP 232 Mathematics for Computer Science (3.00)
- COMP 248 Object-Oriented Programming I (3.50)
- COMP 249 Object-Oriented Programming II (3.50)
- COMP 335 Introduction to Theoretical Computer Science (3.00)
- COMP 352 Data Structures and Algorithms (3.00)
- COMP 353 Databases (4.00)
- ENCS 282 Technical Writing and Communication (3.00)
- ENCS 393 Social and Ethical Dimensions of Information and Communication Technologies (3.00)
- SOEN 471 Big Data Analytics (4.00)

6 credits minimum of Computer Science electives chosen from 400-level COMP/SOEN courses with prior departmental approval

Notes

- The Faculty of Arts and Science and the Gina Cody School of Engineering and Computer Science have created a program of study which combines a comprehensive education in computer science and mathematics. This program resides in both Faculties. In the Gina Cody School of Engineering and Computer Science, it is offered under the aegis of the Bachelor of/ Baccalaureate in Computer Science. According to their preferences and aspirations, students may apply either for a Bachelor of/ Baccalaureate in Science program, or Bachelor of/Baccalaureate in Arts program or a Bachelor of/Baccalaureate in Computer Science program. The Computer Science program is described in Section 71.85 Data Science.
- Students are responsible for satisfying their particular degree requirements.
- For students in the Bachelor of/Baccalaureate in Science program or Bachelor of/Baccalaureate in Arts program, the Faculty of Arts and Science 24-credit and six-credit general elective rules are fulfilled.

BA/BSc Specialization in Mathematical and Computational Finance

Program Requirements

Specialization in Mathematical and Computational Finance (90 credits)

6 credits:

- MACF 401 Mathematical and Computational Finance I (3.00)
- MACF 402 Mathematical and Computational Finance II (3.00)

24 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MATH 251 Linear Algebra I (3.00)
- MATH 252 Linear Algebra II (3.00)
- MATH 364 Analysis I (3.00)
- MATH 365 Analysis II (3.00)
- MATH 370 Ordinary Differential Equations (3.00)
- MATH 473 Partial Differential Equations (3.00)

18 credits:

- STAT 249 Probability I (3.00)
- STAT 250 Statistics (3.00)
- STAT 349 Probability II (3.00)
- STAT 360 Linear Models (3.00)
- STAT 460 Time Series and Forecasting (3.00)
- STAT 461 Statistical Simulation (3.00)

12 credits chosen from:

- MACF 491 Topics in Mathematical and Computational Finance (3.00)
- MACF 492 Reading Course in Mathematical and Computational Finance (3.00)
- MAST 324 Introduction to Optimization (3.00)
- MATH 464 Real Analysis (3.00)
- MATH 467 Measure Theory (3.00)
- MATH 478 Non-Linear Programming (3.00)

- MATH 479 Convex and Non-Linear Analysis (3.00)
- STAT 449 Advanced Probability (3.00)
- STAT 450 Mathematical Statistics (3.00)
- STAT 452 Introduction to Stochastic Processes (3.00)

Note: Students electing to include MAST 324 in their program are normally expected to plan to take MATH 478 and FINA 411 in order to focus on Portfolio Management and Optimization as an area of the Mathematical and Computational Finance discipline.

24 credits:

- ACCO 230 Introduction to Financial Accounting (3.00)
- COMM 221 Financial Markets (3.00)
- COMM 309 Business Finance (3.00)
- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)
- FINA 385 Theory of Finance I (3.00)
- FINA 395 Theory of Finance II (3.00)
- FINA 412 Options and Futures (3.00)

3 credits chosen from:

- FINA 411 Portfolio Management (3.00)
- FINA 413 Advanced Topics in Derivative Markets (3.00)
- FINA 455 Seminar in Finance (3.00)
- FINA 465 Trading in Financial Securities (3.00)

Note: FINA 455 may only be included with prior departmental approval. The topic must be related to an area of the Mathematical and Computational Finance discipline.

3 credits chosen from:

- COMP 218 Fundamentals of Programming (3.00)
- COMP 248 Object-Oriented Programming I (3.50)

Notes

- Students are responsible for satisfying their particular degree requirements.

BA/BSc Major in Mathematics and Statistics

Program Requirements

Major in Mathematics and Statistics (45 credits)

36 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MAST 221 Applied Probability (3.00)
- MAST 232 Mathematics with Computer Algebra (3.00)
- MAST 234 Linear Algebra and Applications I (3.00)
- MAST 235 Linear Algebra and Applications II (3.00)
- MAST 324 Introduction to Optimization (3.00)
- MAST 331 Mathematical Modelling (3.00)
- MAST 333 Applied Statistics (3.00)
- MATH 222 Logic, Proofs, and Discrete Structures (3.00)
- MATH 370 Ordinary Differential Equations (3.00)
- STAT 280 Introduction to Statistical Programming (3.00)

6 credits chosen from:

- MACF 301 Introduction to Quantitative Finance (3.00)
- MAST 223 Introduction to Stochastic Methods of Operations Research (3.00)
- MAST 334 Numerical Analysis (3.00)
- MAST 335 Investment Mathematics (3.00)
- MAST 397 Topics in Mathematics and Statistics (3.00)
- MAST 398 Reading Course in Mathematics and Statistics (3.00)
- MATH 364 Analysis I (3.00)
- MATH 366 Complex Analysis I (3.00)
- MATH 369 Abstract Algebra I (3.00)
- MATH 392 Elementary Number Theory and Cryptography (3.00)

3 credits chosen from any other MACF/MAST/MATH/STAT courses at the 300 or 400 level

Note: Students enrolled in a Mathematics and Statistics program who take probability/statistics courses in other departments may not receive credit for MAST 221, MAST 223, and MAST 333. Students taking a double Major or a Minor in Mathematics and Statistics and whose other program requires statistics courses should consult the Mathematics and Statistics undergraduate program advisor.

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Mathematics and Statistics

Program Requirements

Minor in Mathematics and Statistics (24 credits)

18 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MAST 221 Applied Probability (3.00)
- MAST 324 Introduction to Optimization (3.00)
- MAST 333 Applied Statistics (3.00)
- MATH 222 Logic, Proofs, and Discrete Structures (3.00)

6 credits of MATH/STAT courses chosen with prior departmental approval from the following:

- MAST 223 Introduction to Stochastic Methods of Operations Research (3.00)
- MAST 232 Mathematics with Computer Algebra (3.00)
- MAST 234 Linear Algebra and Applications I (3.00)
- MAST 235 Linear Algebra and Applications II (3.00)
- MAST 331 Mathematical Modelling (3.00)
- MAST 332 Techniques in Symbolic Computation (3.00)
- MAST 334 Numerical Analysis (3.00)
- MAST 335 Investment Mathematics (3.00)
- MAST 336 Insurance Mathematics (3.00)
- MAST 397 Topics in Mathematics and Statistics (3.00)
- MAST 398 Reading Course in Mathematics and Statistics (3.00)
- MATH 370 Ordinary Differential Equations (3.00)

Note: Students enrolled in a Mathematics and Statistics program who take probability/statistics courses in other departments may not receive credit for MAST 221, MAST 223, and MAST 333. Students taking a double Major or a Minor in Mathematics and Statistics and whose other program requires statistics courses should consult the Mathematics and Statistics undergraduate program advisor.

Notes

- Students are responsible for satisfying their particular degree requirements.

- This minor is not open to students registered in a program leading to an undergraduate degree in the Department of Mathematics and Statistics.

BA/BSc Honours in Pure and Applied Mathematics

Program Requirements

Honours in Pure and Applied Mathematics (66 credits)

21 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MATH 222 Logic, Proofs, and Discrete Structures (3.00)
- MATH 251 Linear Algebra I (3.00)
- MATH 252 Linear Algebra II (3.00)
- STAT 249 Probability I (3.00)
- STAT 250 Statistics (3.00)

18 credits:

- MATH 364 Analysis I (3.00)
- MATH 365 Analysis II (3.00)
- MATH 366 Complex Analysis I (3.00)
- MATH 369 Abstract Algebra I (3.00)
- MATH 370 Ordinary Differential Equations (3.00)
- MATH 464 Real Analysis (3.00)

9 credits chosen from any other MACF/MAST/MATH/STAT courses at the 300 or 400 level

12 credits chosen from any other MACF/MATH/STAT courses at the 400 level

6 credits:

- MATH 496 Honours Project in Pure and Applied Mathematics (6.00)

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of 30 Concordia University credits. These credits should include program-related courses.
- Students admitted to an honours program require an overall GPA of at least 3.30, and at least 3.50 in their program of specialization with no more than one grade below B-. Students must find a supervisor for their project and register for the

appropriate Project Course.

- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA/BSc Specialization in Pure and Applied Mathematics

Program Requirements

Specialization in Pure and Applied Mathematics (60 credits)

21 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MATH 222 Logic, Proofs, and Discrete Structures (3.00)
- MATH 251 Linear Algebra I (3.00)
- MATH 252 Linear Algebra II (3.00)
- STAT 249 Probability I (3.00)
- STAT 250 Statistics (3.00)

18 credits:

- MATH 364 Analysis I (3.00)
- MATH 365 Analysis II (3.00)
- MATH 366 Complex Analysis I (3.00)
- MATH 369 Abstract Algebra I (3.00)
- MATH 370 Ordinary Differential Equations (3.00)
- MATH 464 Real Analysis (3.00)

9 credits chosen from any other MACF/MAST/MATH/STAT courses at the 300 or 400 level

12 credits chosen from any other MACF/MATH/STAT courses at the 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Quantitative Finance and Insurance

Program Requirements

Minor in Quantitative Finance and Insurance (24 credits)

18 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 221 Applied Probability (3.00)
- MAST 333 Applied Statistics (3.00)
- MAST 335 Investment Mathematics (3.00)
- MAST 336 Insurance Mathematics (3.00)
- MACF 301 Introduction to Quantitative Finance (3.00)

Note: Students enrolled in a Mathematics and Statistics program who take probability/statistics courses in other departments may not receive credit for MAST 221 and MAST 333.

6 credits of elective courses chosen from Finance Courses at the 400 level or from the following courses, with prior departmental approval:

- MACF 401 Mathematical and Computational Finance I (3.00)
- MACF 402 Mathematical and Computational Finance II (3.00)
- MAST 223 Introduction to Stochastic Methods of Operations Research (3.00)
- MAST 234 Linear Algebra and Applications I (3.00)
- MAST 324 Introduction to Optimization (3.00)
- MAST 397 Topics in Mathematics and Statistics (3.00)
- MAST 398 Reading Course in Mathematics and Statistics (3.00)
- MATH 370 Ordinary Differential Equations (3.00)
- STAT 280 Introduction to Statistical Programming (3.00)
- STAT 380 Statistical Learning (3.00)

Note: Students enrolled in a Mathematics and Statistics program who take probability/statistics courses in other departments may not receive credit for MAST 223 .

Note: FINA 395, FINA 412 and FINA 413 cannot be taken for credit toward this minor.

Note: No more than six credits can be from Finance Courses.

Notes

- In the event that a student is awarded an exemption from a required course, it will be necessary for the student to replace that course with an elective course relevant to the program, in consultation with an undergraduate program advisor.
- Students are responsible for satisfying their particular degree requirements.
- This minor is not open to students registered in a program leading to an undergraduate degree in the Department of Mathematics and Statistics.

BA/BSc Honours in Statistics

Program Requirements

Honours in Statistics (66 credits)

24 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MATH 251 Linear Algebra I (3.00)
- MATH 252 Linear Algebra II (3.00)
- MATH 364 Analysis I (3.00)
- STAT 249 Probability I (3.00)
- STAT 250 Statistics (3.00)
- STAT 280 Introduction to Statistical Programming (3.00)

18 credits:

- STAT 349 Probability II (3.00)
- STAT 360 Linear Models (3.00)
- STAT 450 Mathematical Statistics (3.00)
- STAT 460 Time Series and Forecasting (3.00)
- STAT 461 Statistical Simulation (3.00)
- STAT 480 Statistical Consulting and Data Analysis (3.00)

3 credits chosen from:

- STAT 343 Sample Survey Theory and Applications (3.00)
- STAT 468 Design of Experiments (3.00)

9 credits chosen from:

- STAT 347 Introduction to Non-Parametric Statistics (3.00)
- STAT 380 Statistical Learning (3.00)
- STAT 449 Advanced Probability (3.00)
- STAT 452 Introduction to Stochastic Processes (3.00)
- STAT 465 Multivariate Statistics (3.00)
- STAT 497 Topics in Statistics (3.00)

- STAT 498 Reading Course in Statistics (3.00)

6 credits chosen from:
MACF/MAST/MATH/STAT elective courses at the 300 or 400 level

6 credits:

- STAT 499 Honours Project in Statistics (6.00)

Note: Students taking a double Major or a Minor in Mathematics and Statistics and whose other program requires statistics courses should consult the Mathematics and Statistics undergraduate program advisor.

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of 30 Concordia University credits. These credits should include program-related courses.
- Students admitted to an honours program require an overall GPA of at least 3.30, and at least 3.50 in their program of specialization with no more than one grade below B-. Students must find a supervisor for their project and register for the appropriate Project Course.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA/BSc Specialization in Statistics

Program Requirements

Specialization in Statistics (60 credits)

24 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MATH 251 Linear Algebra I (3.00)
- MATH 252 Linear Algebra II (3.00)
- MATH 364 Analysis I (3.00)
- STAT 249 Probability I (3.00)
- STAT 250 Statistics (3.00)
- STAT 280 Introduction to Statistical Programming (3.00)

18 credits:

- STAT 349 Probability II (3.00)
- STAT 360 Linear Models (3.00)
- STAT 450 Mathematical Statistics (3.00)
- STAT 460 Time Series and Forecasting (3.00)
- STAT 461 Statistical Simulation (3.00)
- STAT 480 Statistical Consulting and Data Analysis (3.00)

3 credits chosen from:

- STAT 343 Sample Survey Theory and Applications (3.00)
- STAT 468 Design of Experiments (3.00)

9 credits chosen from:

- STAT 347 Introduction to Non-Parametric Statistics (3.00)
- STAT 380 Statistical Learning (3.00)
- STAT 449 Advanced Probability (3.00)
- STAT 452 Introduction to Stochastic Processes (3.00)
- STAT 465 Multivariate Statistics (3.00)
- STAT 497 Topics in Statistics (3.00)

- STAT 498 Reading Course in Statistics (3.00)

6 credits chosen from:
MACF/MAST/MATH/STAT elective courses at the 300 or 400 level

Notes

- Students taking a double Major in Mathematics and Statistics or a Minor in Mathematics and Statistics and whose other program requires statistics courses should consult the Mathematics and Statistics undergraduate program advisor.
- Students are responsible for satisfying their particular degree requirements.

Mathematics and Statistics Co-operative Program

The Co-op Program

The Mathematics and Statistics co-operative program is offered to students who are enrolled in the BA or BSc honours or specialization programs. Students interested in applying for the Mathematics and Statistics co-op should refer to Institute for Co-operative Education where a full description of the admission requirements is provided.

Academic content is identical to that of the regular program, but study terms are interspersed with three or four work terms.

Students are supervised personally and must meet the requirements specified by the Faculty of Arts and Science and the Institute for Co-operative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers, and the Institute for Co-operative Education is provided by the Mathematics and Statistics co-op committee, which includes the student's advisors.

Please refer to Institute for Co-operative Education for additional information.

C.Edge (Career Edge)

The Mathematics and Statistics C.Edge option is offered through the Institute for Co-operative Education. Like the co-operative program, C.Edge allows students to gain practical experience through a work term related to their field of study. It is limited to one work term, normally in the summer, and is open to students in all programs of concentration offered by the Department who satisfy the admission requirements. Students interested in applying for the C.Edge option should refer to Institute for Co-operative Education where a full description is provided.

Department of Mathematics and Statistics Courses

Quick Links

Actuarial Mathematics Courses

Mathematical and Computational Finance Courses

Mathematics Courses

Mathematics and Statistics Courses

Statistics Courses

Actuarial Mathematics Courses

ACTU 256 Mathematics of Finance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: MAST 218 or equivalent. Permission of the Department is required.

Description:

This course is an introduction to interest theory and provides an understanding of the fundamental concepts of financial mathematics used in valuing cash flows, investment income and asset/liability management. In this course, students examine measurement of interest; annuities and perpetuities; amortization and sinking funds; rates of return; bonds and related securities. Further special topics may be explored.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 335 may not take this course for credit.

ACTU 257 Actuarial Mathematics I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTU 256.

Description:

This course introduces students to the mathematical models for present values of claims contingent on some event, e.g. survival (Life) or sickness (Health). In this course, students examine measurement of mortality; pure endowments; life insurance; net single premiums; life annuities; and net annual premiums. Further special topics may be explored.

Component(s):

"Lecture"

ACTU 286 Actuarial Mathematics Lab I (1 credits)

Description:

This lab features problem-solving sessions for the professional examination on financial mathematics of the Society of Actuaries and the Casualty Actuarial Society.

Component(s):

"Laboratory"; "Reading"

ACTU 357 Actuarial Mathematics II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTU 257.

Description:

This course is a continuation of ACTU 257, and considers pricing of more complicated life insurance products. Students examine net level premium reserves; multiple life functions; multiple decrements, and the expense factor. Further special topics may be explored.

Component(s):

"Lecture"

ACTU 386 Actuarial Mathematics Lab II (2 credits)

Description:

In this lab, students use programming languages and software applications specific to the pension and insurance industry. Students learn how to calculate and apply actuarial concepts and how to communicate their results using the softwares (such as Excel, Access, and Axis) introduced in this course.

Component(s):

"Laboratory"

ACTU 456 Pension Mathematics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTU 357.

Description:

Valuation methods; gains and losses; dynamic control; special topics.

Component(s):

"Lecture"

ACTU 457 Risk Theory (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTU 257. The following course must be completed previously or concurrently: STAT 349.

Description:

This course offers an introduction to classical models and applies them to relevant problems in risk theory, which is a core component of Property-Casualty Insurance mathematics. Students learn about the applications of contingency theory in health insurance, individual and collective risk theory, and ruin theory. Further special topics may be explored.

Component(s):

"Lecture"

ACTU 458 Credibility Theory (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTU 457. The following course must be completed previously or concurrently: STAT 349.

Description:

This course covers the credibility approach to inference for heterogeneous data; classical, regression and Bayesian models; and illustrates these concepts with insurance data.

Component(s):

"Lecture"

ACTU 459 Loss Distributions (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTU 457; and STAT 360.

Description:

Probability model fitting to loss data; estimation and testing under variety of procedures and sampling designs.

Component(s):

"Lecture"

ACTU 486 Actuarial Mathematics Lab III (2 credits)

Description:

This lab is designed to prepare students for the Actuarial Models examination of the Society of Actuaries and the Casualty Actuarial Society.

Component(s):

"Laboratory"

ACTU 491 Topics in Actuarial Mathematics (3 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- The content varies from term to term and from year to year. Students may re-register for this course, provided the course content has changed. Changes in content are indicated by the title of the course.

ACTU 492 Reading Course in Actuarial Mathematics (3 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- The content varies from term to term and from year to year. Students may re-register for this course, provided the course content has changed. Changes in content are indicated by the title of the course.

ACTU 493 Honours Project in Actuarial Mathematics (6 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Component(s):

"Research"

Mathematical and Computational Finance Courses

MACF 301 Introduction to Quantitative Finance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 218 or equivalent; MAST 221 or STAT 249.

Description:

This course is an introduction to topics related to quantitative finance. Topics may include: financial derivatives, binomial option pricing models, Black-Scholes option pricing model, derivatives risk management, mean-variance portfolio theory, asset pricing models, investment risks, and behavioral finance.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FINA 385 may not take this course for credit.

MACF 401 Mathematical and Computational Finance I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 218 or equivalent; STAT 349 or MAST 223. The following courses must be completed previously or concurrently: MACF 301 or FINA 385.

Description:

This course is a rigorous introduction to the theory of mathematical and computational finance. Topics include multi-period binomial model; state prices; change of measure; stopping times; European and American derivative securities; interest-rate models; interest-rate derivatives; hedging; and convergence to the Black-Scholes model.

Component(s):

"Lecture"

MACF 402 Mathematical and Computational Finance II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MACF 401.

Description:

This course is a continuation of MACF 401 and focuses on modelling and computational techniques beyond the binomial model. Topics include simulation; Monte- Carlo methods in finance; option valuation; hedging; heat equation; finite difference techniques; stability and convergence; exotic derivatives; risk management; and calibration and parameter estimation.

Component(s):

"Lecture"

MACF 491 Topics in Mathematical and Computational Finance (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- The content varies from term to term and from year to year. Students may re-register for this course, provided the course content has changed. Changes in content are indicated by the title of the course.

MACF 492 Reading Course in Mathematical and Computational Finance (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Component(s):

"Reading"

Notes:

- The content varies from term to term and from year to year. Students may re-register for this course, provided the course content has changed. Changes in content are indicated by the title of the course.

Mathematics Courses

MATH 200 Fundamental Concepts of Algebra (3 credits)

Description:

This course is designed to give students the background necessary for MATH 201. Some previous exposure to algebra is assumed. Sets, algebraic techniques, inequalities, graphs of equations.

Component(s):

"Lecture"

Notes:

- Students in programs leading to the BSc degree or the BA programs in Mathematics and Statistics may not take this course for credit to be applied to their program of concentration.
- Students who have received credit or exemption for a course at the level of MATH 201 or above may not take this course for credit.

MATH 201 Elementary Functions (3 credits)

Description:

This course focuses on basic functions (power functions, polynomials, rational and algebraic function, exponentials and logarithms, trigonometric functions), and operations on functions, including inverse functions, transformations and composition of functions. The course also includes a detailed study of trigonometry of angles, geometry of triangles and related trigonometric transformations.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students in programs leading to the BSc degree or the BA programs in Mathematics and Statistics may not take this course for credit to be applied to their program of concentration.
- Students who have received credit or exemption for MATH 203 or equivalent, or for a course having MATH 203 or equivalent in its sequence of prerequisites, may not take this course for credit.

MATH 202 College Algebra (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 201 or equivalent.

Description:

This course introduces students to the fundamental notions of algebra. Topics may include progressions, combinations, permutations, mathematical induction, inequalities, polynomials, and the Cartesian and polar forms of complex numbers.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students in programs leading to the BSc degree or the BA programs in Mathematics and Statistics may not take this course for credit to be applied to their program of concentration.
- Students who have received credit or an exemption for a course at the level of ACTU 256 or above; MAST 218 or above; MATH 251 or above; STAT 249 or above; or for a course having any of these courses in its sequence of prerequisites, may not take this course for credit.

MATH 203 Differential and Integral Calculus I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 201 or equivalent.

Description:

This course is the first of two connected calculus courses (followed by MATH 205). This course focuses on an overview of functions and limits; derivative as rate of change, differentiation of elementary functions (power, exponential, logarithmic, trigonometric); differentiation rules (product, quotient, and chain rules); implicit differentiation; higher derivatives; approximations using linearization and the differential. Applications include related rates; optimization, analysis of functions (determining maxima, minima and inflection points) and graphing.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students in programs leading to the BSc degree or the BA programs in Mathematics and Statistics may not take this course for credit to be applied to their program of concentration.
- Students who have received credit or an exemption for a course at the level of ACTU 256 or above; MAST 218 or above; MATH 251 or above; STAT 249 or above; or for a course having any of these courses in its sequence of prerequisites, may not take this course for credit.

MATH 204 Vectors and Matrices (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 201 or equivalent.

Description:

This is an introductory course in elementary linear algebra. In this course, students learn algebra and geometry of vectors, dot and cross products, lines and planes. A key objective is learning methods to solve systems of linear equations, which are reformulated with matrix multiplication, matrix inversion, and determinants. Finally, these methods are clarified through linear transformations.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students in programs leading to the BSc degree or the BA programs in Mathematics and Statistics may not take this course for credit to be applied to their program of concentration.
- Students who have received credit or an exemption for a course at the level of ACTU 256 or above; MATH 218 or above; MATH 251 or above; STAT 249 or above; or for a course having any of these courses in its sequence of prerequisites, may not take this course for credit.

MATH 205 Differential and Integral Calculus II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 203 or equivalent.

Description:

This course is the second of two connected courses on differential and integral calculus (preceded by MATH 203). In this course, students learn about definite integrals and antiderivatives, the fundamental theorem of calculus, indefinite integrals and techniques of integration (substitutions, integration by parts, partial fractions, trigonometric functions), improper integrals, applications of integration (area between curves, volumes of solids of revolurion); infinite sequences and series: tests for convergence; power series, Taylor and Maclaurin series.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students in programs leading to the BSc degree or the BA programs in Mathematics and Statistics may not take this course for credit to be applied to their program of concentration.

- Students who have received credit or an exemption for a course at the level of ACTU 256 or above; MAST 218 or above; MATH 251 or above; STAT 249 or above; or for a course having any of these courses in its sequence of prerequisites, may not take this course for credit.

MATH 206 Algebra and Functions (3 credits)

Description:

Coordinate systems. Radicals and distance formula. Polynomials, factoring, and graphing. Relations and functions. Linear and quadratic functions, equations, and systems. Exponents, exponential and logarithmic functions and equations.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students in programs leading to the BSc degree or the BA programs in Mathematics and Statistics may not take this course for credit to be applied to their program of concentration.
- Students who have received credit or exemption for a course at the level of MATH 201 or above may not take this course for credit.

MATH 208 Fundamental Mathematics I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 206 or equivalent.

Description:

Topics covered in this course include matrices, Gaussian elimination, input-output analysis, progressions, compound interest, annuities, permutations and combinations, probability, exponential and logarithmic functions, inequalities, linear programming.

Component(s):

"Lecture"

Notes:

- Students in programs leading to the BSc degree or the BA programs in Mathematics and Statistics may not take this course for credit to be applied to their program of concentration.
- This is a prerequisite course for John Molson School of Business students. See Section 61.20 Admission Requirements and Section 14.2.2 John Molson School of Business under Mature Entry.
- Students who have received credit or an exemption for a course at the level of ACTU 256 or above; MAST 218 or above; MATH 251 or above; STAT 249 or above; or for a course having any of these courses in its sequence of prerequisites, may not take this course for credit.

MATH 209 Fundamental Mathematics II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 206 or equivalent.

Description:

This course is a prerequisite course for John Molson School of Business students*. Limits; differentiation of rational, exponential, and logarithmic functions; theory of maxima and minima; integration.

Component(s):

"Lecture"

Notes:

- Students in programs leading to the BSc degree or the BA programs in Mathematics and Statistics may not take this course for credit to be applied to their program of concentration.
- See Mature Entry and Section 61.20 Admission Requirements.
- Students who have received credit or exemption for MATH 203 or equivalent may not take this course for credit.

MATH 212 The Fascinating World of Numbers (3 credits)

Description:

This course deals with a blend of mathematical themes in various contexts: historical, cultural, and practical. It illustrates the presence of mathematics and mathematical ideas in many aspects of modern life. It also aims at explaining what mathematics is all about and why some easily stated assertions, such as Fermat's last theorem, are so difficult to prove. Students who complete the course successfully should have enough understanding and knowledge of fundamental ideas and techniques of mathematics to appreciate its power, its beauty, and its relevance in so many different fields such as architecture, art, commerce, engineering, music, and all of the sciences.

Component(s):

"Lecture"

Notes:

- This course is designed as a suitable elective for students following an undergraduate degree. It has no formal prerequisites and does not qualify students to enrol for any other Mathematics course. It cannot be used to satisfy a Mathematics requirement in any BSc or BA degree.

MATH 215 Great Ideas in Mathematics (3 credits)

Description:

This course introduces students to the world of mathematical ideas and mathematical thinking. It delves into some of the great ideas of mathematics and how they are used to unravel the secrets of nature, without being overly technical. High-school-level mathematics are sufficient to succeed in the course.The topics discussed range from the geometric results of the Ancient Greeks to the notion of infinity to more modern developments.

Component(s):

"Lecture"

Notes:

- This course is designed as a suitable elective for students following an undergraduate program. It has no formal prerequisites and will not qualify students to enrol for any other Mathematics course, and cannot be used to satisfy a Mathematics requirement in any BSc or BA program.

MATH 217 Topics in Mathematics and Statistics (3 credits)

Description:

This course is designed as an elective course for students who are not registered in a Mathematics and Statistics program. The particular topic varies from one term to the next and the material is dealt with in a manner appropriate for students who have no background in university-level mathematics.

Component(s):

"Lecture"

Notes:

- Students registered in a Mathematics and Statistics program may not take this course for credit.

MATH 218 Reading Course in Mathematics and Statistics (3 credits)

Description:

This course is designed as an elective course for students who are not registered in a Mathematics and Statistics program. The particular topic varies from one term to the next and the material is dealt with in a manner appropriate for students who have no background in university-level mathematics.

Component(s):

"Reading"

Notes:

- Students registered in a Mathematics and Statistics program may not take this course for credit.

MATH 220 Mathematical Methods in Chemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously:Cegep Mathematics 203 or 201-NYB or MATH 205.

Description:

First-order differential equations (first- and second-order chemical reactions). Hermite, Laguerre, and Legendre equations. Solutions by power series. Eigenfunctions and eigenvalues, Sturm-Liouville theory.

Component(s):

"Lecture"

MATH 222 Logic, Proofs, and Discrete Structures (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 204, MATH 205 or equivalent.

Description:

This course provides an introduction to formal logic and standard techniques for constructing proofs from a mathematical perspective. This is done in tandem with an introduction to a variety of fundamental mathematical structures so that students learn to identify, understand, and create rigorous mathematical proofs. Topics may include logic and proofs, basic structures, algorithms, number theory and cryptography, induction and recursion, counting techniques, relations and their properties, graphs, trees, Boolean algebra, and modelling computation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 217 or COMP 232 may not take this course for credit.

MATH 251 Linear Algebra I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 204 and MATH 205 or equivalent.

Description:

This course is an introduction to vector spaces and linear transformations. The following topics are treated with mathematical rigour: matrices and linear equations; vector spaces; bases, dimension and rank; linear mappings and algebra of linear operators; matrix representation of linear operators; determinants; eigenvalues and eigenvectors; diagonalization.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 234 may not take this course for credit.

MATH 252 Linear Algebra II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 251 or equivalent.

Description:

This course continues the study of vector spaces and linear transformations, with mathematical rigour. Topics may include characteristic and minimum polynomials; invariant subspaces, invariant direct sums; cyclic subspaces; rational canonical form; bilinear and quadratic forms; inner product; orthogonality; adjoint operators and orthogonal operators; Jordan canonical form.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 235 may not take this course for credit.

MATH 339 Combinatorics (3 credits)

Prerequisite/Corequisite:

18 credits in post-Cegep Mathematics.

Description:

General principles of counting, permutations, combinations, identities, partitions, generating functions, Fibonacci numbers, Stirling numbers, Catalan numbers, principle of inclusion-exclusion. Graphs, subgraphs, isomorphism, Euler graphs, Hamilton paths and cycles, planar graphs, Kuratowski's Theorem, trees, colouring, 5-colour theorem, matching, Hall's theorem.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students who have received credit for COMP 339 may not take this course for credit.

MATH 352 Linear Algebra III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 252.

Description:

Matrices, linear transformations, determinants, metric concepts, inner-product spaces, dual spaces, spectral theorem, bilinear and quadratic forms, canonical forms for linear transformation, matrix functions, selected topics.

Component(s):

"Lecture"

MATH 364 Analysis I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 222 or MATH 251 or equivalent. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an introduction to mathematical analysis in one variable. Topics may include mathematical rigour: proofs and counter-examples, quantifiers; number systems, cardinality; decimal representation, density of the rationals, least upper bound, completeness; sequences of real numbers, limits; continuous functions, differentiability, intermediate value theorems, mean value theorem and Taylor's formula.

Component(s):

"Lecture"

MATH 365 Analysis II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 364 or equivalent.

Description:

This course continues the study of mathematical analysis with more advanced topics and greater precision. The Riemann integral is defined rigorously. Examples and counter-examples are given. Families of Riemann integrable functions are studied as are improper integrals. Series of real numbers are studied, under the umbrella of absolute and conditional convergence. Important and useful tests for convergence and divergence are studied, including results by Abel and Dirichlet. The regrouping and rearrangement of series are also covered. The work on series of reals is followed by the topic of sequences and series of functions. The fundamental idea of uniform convergence of sequences and series of functions is studied in detail. This leads to the three preservation theorems and their applications to the M-test and to Taylor series. Further special topics may be explored.

MATH 366 Complex Analysis I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MAST 219 or equivalent.

Description:

This course covers the algebra and geometry of complex numbers, linear transformations, analytic functions, Laurent's series, calculus of residues, and special functions.

Component(s):

"Lecture"

MATH 369 Abstract Algebra I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 219 and MATH 252; or equivalent. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this course, students learn about the fundamental notion of groups and several of their properties such as subgroups, quotients, homomorphisms and group actions. Students also learn about Lagrange's theorem, Cayley's theorem, Sylow's theorem, and their applications. Further special topics may be explored.

Component(s):

"Lecture"

Notes:

- This course is the first of four connected courses in abstract algebra (followed by MATH 470, MATH 471, and MATH 472).

MATH 370 Ordinary Differential Equations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 219; MATH 251 or MAST 234; or equivalent.

Description:

In this course, students are taught to recognize, interpret, and solve various differential equations and boundary value problems. Topics may include separable equations, exact equations, integrating factors, first order linear equations, second order equations, series solutions, reduction of order, variation of parameters, the Laplace transform, and higher-order linear equations with constant coefficients. Systems of linear differential equations may also be covered. Applications of these methods to population models, mechanical systems, and many other realistic situations are emphasized throughout.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 330 may not take this course for credit.

MATH 387 Mathematics Lab III (2 credits)

Description:

This lab will demonstrate the use of MAPLE software for Calculus, Linear Algebra, and Statistics.

Component(s):

"Laboratory"

Notes:

- Students who have received credit for MATH 232 may not take this course for credit.

MATH 392 Elementary Number Theory and Cryptography (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 219 and MATH 252; or equivalent; and 6 additional credits in Mathematics, excluding MATH 200, MATH 201, MATH 202, MATH 203, MATH 204, MATH 205, MATH 206, MATH 208, MATH 209. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to the basic arithmetic concepts and classical results in number theory. Students learn about divisibility, greatest common divisor, and unique factorization; congruences, Euler's and Fermat's theorems; applications to primality testing and public key cryptography; primitive roots, quadratic residues and quadratic reciprocity; Diophantine equations. Further special topics may be explored.

Component(s):

"Lecture"

MATH 397 History of Mathematics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 252; MATH 365. If prerequisites are not satisfied, permission of the Department is required.

Description:

Early mathematics, Greek mathematics, European mathematics in the Middle Ages, the origin and development of analytic geometry and calculus, mathematics as free creation, the generality of mathematics in the 20th century.

Component(s):

"Lecture"

MATH 433 Calculus of Variations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 219; MATH 365, MATH 370; or equivalent.

Description:

This course covers the nature of problems, weak variations, the first variation, Euler's equation, the second variation, Jacobi's equation, Legendre's test, conjugate points, relative maxima and minima, and iso-perimetrical problems. Integrals with variable end points, and applications to problems in pure and applied mathematics, the principle of least action, strong variations, and the Weierstrass E-function are also discussed.

Component(s):

"Lecture"

MATH 464 Real Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 219; MATH 365; or equivalent.

Description:

This course covers metric spaces; function spaces; compactness; completeness; and the following theorems: fixed-point, Ascoli-Arzela, and Weierstrass approximation.

Component(s):

"Lecture"

MATH 466 Complex Analysis II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 219; MATH 365, MATH 366; or equivalent.

Description:

This course focuses on Cauchy's theorem, singularities, maximum modulus principle, uniqueness theorem, normal families, and Riemann mapping theorem.

Component(s):

"Lecture"

MATH 467 Measure Theory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 219 or equivalent; MATH 365. The following course must be completed previously or concurrently: MATH 464 or equivalent.

Description:

In this course, students learn about the Lebesgue measure and integration on the real line, convergence theorems, Lp spaces, completeness of Lp[0,1], absolute continuity.

Component(s):

"Lecture"

MATH 470 Abstract Algebra II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 369 or equivalent.

Description:

This is an advanced course in algebra, introducing the notion of rings and studying the properties of several classes of rings. Topics may include an introduction to rings, ideals, euclidean domains, principal ideal domains and unique factorization domains; polynomial rings; introduction to modules.

Component(s):

"Lecture"

MATH 471 Abstract Algebra III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 470 or equivalent.

Description:

This course continues the study of rings and modules from MATH 470. Topics may include the structure theorem of modules over principal ideal domains; Noetherian rings and modules (including Hilbert basis theorem for rings and modules), and Hilbert's Nullstellensatz.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 491 may not take this course for credit.

MATH 472 Abstract Algebra IV (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 470 or equivalent.

Description:

This course studies fields and their extensions. Topics may include elements of field and Galois theory, including straight-edge-and-compass construction and unsolvability of equations of fifth degree by radicals.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 492 may not take this course for credit.

MATH 473 Partial Differential Equations (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 370 or equivalent.

Description:

This course is an introduction to partial differential equations and focuses on recognizing, interpreting, and solving such equations. Particular attention is paid to the Laplace, Poisson, heat, and wave equations with various boundary conditions. Solution methods include separation of variables, Fourier expansions, variational methods, and energy methods. Theory developed in this course includes Green's formula, the maximum principle, and properties of harmonic functions, such as the mean value theorem. Further special topics may be explored.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 371 may not take this course for credit.

MATH 474 Dynamical Systems and Chaos (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 219; MATH 370; or equivalent. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course gives an overview of the theory and applications of dynamical systems modelled by differential equations and maps. Topics studied include changes of the dynamics when parameters are varied, periodic and homoclinic solutions that arise in applications, and the impact of additional structures such as time reversibility and conserved quantities on the dynamics. Systems with complicated "chaotic" dynamics that possess attracting sets which do not have integer dimension are also studied. Applications to chemical reactions, climate, epidemiology, and phase transitions are discussed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 373 may not take this course for credit.

MATH 475 Discrete Dynamical Systems, Chaos and Fractals (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 219; MATH 365; or equivalent. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides a comprehensive investigation of complex dynamics and chaos in the context of discrete dynamical systems. Topics may include modelling with discrete equations, bifurcations, the period three theorem, symbolic dynamics, transitivity, conjugacies, Julia and Fatou sets, and fractals. Complex behaviour in discrete models is analyzed through computer simulations and in the context of iterated function systems.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 379 may not take this course for credit.

MATH 478 Non-Linear Programming (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 251 or MAST 234; MAST 218 or equivalent; MATH 364. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an overview of nonlinear optimization and related topics. Students review unconstrained nonlinear optimization using methods from advanced calculus. The rudiments of convex analysis are covered and applied to deriving optimality conditions in constrained convex optimization via the classical Lagrangian approach. Nonlinear duality is covered as well. Further special topics (such as an introduction to nonsmooth analysis) may be explored.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 436 may not take this course for credit.

MATH 479 Convex and Non-Linear Analysis (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 365. If prerequisites are not satisfied, permission of the Department is required.

Description:

This is an introduction to convex analysis. Topics may include support and separation of convex sets, extreme point characterizations, convex and dual cones, Farkas' theorem; convex functions, criteria for convexity, subgradient, Legendre-Fenchel conjugate, Young's inequality; Lagrangians, necessary and sufficient conditions for optimality in constrained minimization; the dual problem; functional inequalities and other applications.

Component(s):

"Lecture"

MATH 480 Geometry and Topology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 252, MATH 365, MATH 369.

Description:

In this course, students learn about differential geometry and the geometric topology of surfaces. The topics covered are selected from orientation, geodesics, curvature, Theorema Egregium, Gauss-Bonnet theorem, Euler characteristic, classification of surfaces, cohomology, homotopy groups, applications of ideas and techniques from geometry and topology in knot or graph theory and map colourings.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 380 may not take this course for credit.

MATH 494 Topics in Pure and Applied Mathematics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- The content varies from term to term and from year to year. Students may re-register for this course, provided the course content has changed. Changes in content are indicated by the title of the course.

MATH 495 Reading Course in Pure and Applied Mathematics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Reading"

Notes:

- The content varies from term to term and from year to year. Students may re-register for this course, provided the course content has changed. Changes in content are indicated by the title of the course.

MATH 496 Honours Project in Pure and Applied Mathematics (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Research"

Mathematics and Statistics Courses

MAST 214 Calculus and Linear Algebra (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: Cegep Mathematics 105 or 201-NYC, 203 or 201- NYB.

Description:

This course spans the range of single and multi-variable calculus as well as elementary linear algebra and is aimed at preparing for the more advanced topics of the curriculum as well as strengthening the necessary skillset of students. Topics from calculus include functions; maxima and minima; velocity and acceleration; iterative solution of equations and

parametric equation of curves; integrals; change of variables; integration by parts; double integrals; numerical integration; conic sections. Topics from linear algebra include matrices; determinants; eigen-values; eigenvectors; system of equations; series and their convergence. The course also includes an introduction to vector space and complex numbers.

Component(s):

"Lecture"

Notes:

- This course can be counted as an elective towards a 90-credit degree program, but must be taken before any other post-Cegep Mathematics course except for MATH 222, which may be taken concurrently. It must be taken, upon entry, by newly admitted students in the MATH/STAT Major who have less than 70% average in Cegep Mathematics courses.

MAST 218 Multivariable Calculus I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 204 and MATH 205, or equivalent.

Description:

This is an introductory course in the theory of functions of several variables addressing differential and vector calculus. In this course, students focus on vector geometry; lines and planes; curves in Rn; vector functions; vector differential calculus; functions of several variables, chain rule and implicit differentiation, extrema, classification of extremal values and Lagrange multipliers.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 264 or ENGR 233 may not take this course for credit.

MAST 219 Multivariable Calculus II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MAST 218 or equivalent.

Description:

This course is a continuation of the theory of functions of several variables from MAST 218. In this course, students learn about the theory of integration of such functions and the applications of multiple integrals to physics. Topics include vector integral calculus; line and surface integrals; fundamental theorem of line integrals; Green's, Stokes' and Gauss' theorems and Gauss' law; change of integration variables in multiple integrals and Jacobians; applications to multivariate random variables.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 265 or ENGR 233 may not take this course for credit.

MAST 221 Applied Probability (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 204 and MATH 205, or equivalent. The following courses must be completed previously or concurrently: MAST 218 or equivalent.

Description:

Counting rules, discrete probability distributions; random sampling; conditional probability; means and variances, normal and other continuous sampling distributions. Applications. Use of statistical software, e.g. MINITAB.

Component(s):

"Lecture"

Notes:

- Students enrolled in a Mathematics and Statistics program who take probability/statistics courses in other departments may not receive credit for this course. Please consult the Mathematics and Statistics undergraduate program advisor.
- Students who have received credit for STAT 249, COMP 233 or ECON 221 may not take this course for credit.

MAST 223 Introduction to Stochastic Methods of Operations Research (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MAST 221 or equivalent.

Description:

This course is an introduction to stochastic methods of operations research. Topics may include Markov chains; queuing theory; inventory theory; Markov decision processes; applications to reliability.

Component(s):

"Lecture"

Notes:

- Students enrolled in a Mathematics and Statistics program who take probability/statistics courses in other departments may not receive credit for this course. Please consult the Mathematics and Statistics undergraduate program advisor.
- Students who have received credit for STAT 349 may not take this course for credit.

MAST 232 Mathematics with Computer Algebra (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 204, MATH 205; or equivalent.

Description:

An introduction to the use of a high-level mathematical programming language as a practical aid in doing mathematics. Most classes are given in an interactive way in the computer laboratory. The aim is to arrive at a sufficient working familiarity with the computer algebra language to permit its regular use in subsequent studies and applications. The commands and online

resources are introduced through a review of arithmetic, complex numbers, algebra, Euclidean geometry, trigonometry, coordinate systems and graphing, elementary functions and transformations, series, derivatives, integrals, vectors and matrices. There may be additional topics from domains such as number theory, differential equations, integral transforms, probability and statistics.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 332 or COMP 367 or COMP 467 may not take this course for credit.

MAST 234 Linear Algebra and Applications I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 204 or equivalent.

Description:

In this course, students focus on two major concepts: vector spaces and linear transformations. Topics include system of linear equations, matrix operations, row echelon form; linear dependence; Rn and general vector spaces, subspaces; bases and coordinates; linear operators and their matrix representations; similar matrices; applications of determinants; eigenvalues and eigenvectors; diagonalization of matrices; and the applications of diagonalization (e.g. Markov chains). Computing environments/software may be used in the course as tools and/or assignment platforms, but not as objects of study.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 251 may not take this course for credit.

MAST 235 Linear Algebra and Applications II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MAST 234 or equivalent.

Description:

In this course, the theory studied in MAST 234 is applied and further developed. Topics may include inner product spaces; orthogonal projection and Gram-Schmidt algorithm; orthogonal and unitary matrices; self-adjoint operators and Hermitian matrices; spectral theorem. Applications to economic models, networks, dynamical systems, normal equations and least square solutions to inconsistent systems, principal axes theorem and quadratic forms are examined. Further special topics (e.g. Cayley-Hamilton Theorem, singular values and SVD factorization) may be explored. Computing environments/software may be used in the course as tools and/or assignment platforms, but not as objects of study.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 252 may not take this course for credit.

MAST 324 Introduction to Optimization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 203, MATH 204; or equivalent.

Description:

This course is an introduction to optimization. Topics may include linear models, linear programming (simplex algorithm, sensitivity analysis and duality), game theory, and the transportation problem. Unconstrained nonlinear optimization and the rudiments of constrained nonlinear optimization via basic facts about convex sets and functions may also be introduced.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 224 or MATH 361 may not take this course for credit.

MAST 331 Mathematical Modelling (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 221, MAST 234; or equivalent. The following course must be completed previously or concurrently: MAST 324 .

Description:

This course provides opportunities for students to construct and analyze mathematical models that arise in the physical, biological, and social sciences. The course is driven by the derivation of models that describe a wide variety of phenomena. In-depth mathematical methods are presented that can be used to solve/analyze the derived models. This course covers multiple modelling techniques and may include optimization, ordinary differential equations, dynamical systems, and stochastic models, among others. These methods build upon each other as the course progresses. Specific topics may include linear programming, linear and nonlinear ordinary differential equations in one and two dimensions, construction of models from data, and Markov chains. The course uses mathematical techniques from calculus, probability, and linear algebra.

Component(s):

"Lecture"

MAST 332 Techniques in Symbolic Computation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 222 or COMP 232 or equivalent; COMP 248 or equivalent.

Description:

This course is an application-oriented introduction to algebraic methods involved in symbolic computation, as applied to number theory and modular algebra. Topics may include numbers, primes, modular arithmetic, Diophantine equations; congruence classes and applications, finite fields and rings; Fermat's and Euler's theorems; Chinese Remainder Theorem and applications; polynomial congruences and rings. Applications to error-correcting codes (Humming codes), Hill Cryptosystem, public key encryption schemes, polynomial factorization and polynomial interpolation are also covered. Computing environments/software may be used in the course as tools and/or assignment platforms, but not as objects of study.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMP 367 or COMP 467 may not take this course for credit.

MAST 333 Applied Statistics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MAST 221 or equivalent.

Description:

This course is an introduction to applied statistics. Topics include graphical and numerical descriptive methods; estimation and hypothesis testing; linear regression and correlation; one way ANOVA; contingency and goodness of fit tests.

Component(s):

"Lecture"

Notes:

- Students enrolled in a Mathematics and Statistics program who take probability/statistics courses in other departments may not receive credit for this course. Please consult with a Mathematics and Statistics undergraduate program advisor.
- Students who have received credit for STAT 360, BIOL 322, COMM 215, ECON 222 or GEOG 362 may not take this course for credit.

MAST 334 Numerical Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 218 or equivalent; MAST 234 or MATH 251 or equivalent.

Description:

In this course, students learn about numerical analysis, an algorithmic approach to finding approximate solutions when exact solutions are impossible or unreasonably complicated. Lying at the intersection of mathematics and computer science, numerical analysis is a key component of computational mathematics. Topics may include analysis of errors involved in computations; floating-point arithmetic; root-finding methods; interpolation theory and function approximation; orthogonal polynomials; numerical integration and quadrature formulas; error analysis of numerical algorithms.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 354 or COMP 361 may not take this course for credit.

MAST 335 Investment Mathematics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MAST 218 or equivalent.

Description:

This course introduces the notion of interest and the basic principles of financial mathematics. Topics may include simple and compound interest; annuities; amortization and sinking funds; mortgage schemes; bonds and related securities; capital cost and depletion; spread-sheet implementation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ACTU 256 may not take this course for credit.

MAST 336 Insurance Mathematics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MAST 221 or equivalent; MAST 335 or equivalent.

Description:

This class provides an overview of techniques used by life insurers, pension plans and Property and Casualty insurers to quantify and measure their liabilities. The course is subdivided into two main parts. The first aims at studying life-contingent liabilities such as life insurance and annuities. The second part provides an overview of methods utilized by Property and Casualty insurers to represent their liabilities.

Component(s):

"Lecture"

MAST 387 Data Science Lab (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: STAT 280; and MAST 333 or STAT 360.

Description:

This lab course offers hands-on exposure to a broad array of problems and tasks frequently encountered in the data science practice. Examples of topics that are covered may include dataset and table construction, data curation and preparation,

data exploration, non-traditional data types and large data sets (big data). Extensive programming duties and data analysis projects are assigned to students.

Component(s):

"Laboratory"

MAST 397 Topics in Mathematics and Statistics (3 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- The content varies from term to term and from year to year. Students may re-register for this course, provided the course content has changed. Changes in content are indicated by the title of the course.

MAST 398 Reading Course in Mathematics and Statistics (3 credits)

Description:

Specific topics for this courses, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Component(s):

"Reading"

Notes:

- The content varies from term to term and from year to year. Students may re-register for this course, provided the course content has changed. Changes in content are indicated by the title of the course.

Statistics Courses

STAT 2096 Discover Statistics (3 credits)

(also listed as INTE 296)

Description:

This course introduces students to the basics of statistics and is aimed at mastering the elementary analytical concepts of the subject. Topics include descriptive statistics, correlation and regression analysis, experimental analysis (test procedures), probability (distribution and theory), hypothesis testing, and analysis of variance.

Component(s):

"Online"

Notes:

- Students in programs requiring a statistics course may not take this course for credit to be applied to their program of concentration.
- Students who have received credit for BIOL 322, COMM 215, ECON 221 or ECON 222, GEOG 362, INTE 296, MAST 221 or MAST 333, PSYC 315, SOCI 212, STAT 249, or for this topic under an INTE 298 number, may not take this course for credit.

STAT 249 Probability I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: MAST 218 or equivalent.

Description:

This course is an introduction to rigorous basis of probability theory. Students learn about the axiomatic approach to probability; combinatorial probability; random sampling and sampling distributions; discrete and continuous distributions; expectation; variances; joint variables and their distributions, conditional distributions, conditional expectation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 221 may take STAT 249 for credit only with prior permission of the Department. Students enrolled in a Mathematics and Statistics program who take probability/statistics courses in other departments may not receive credit for this course. Please consult a Mathematics and Statistics undergraduate program advisor.
- Students who have received credit for COMP 233 or ECON 221 may not take this course for credit.

STAT 250 Statistics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 249 or equivalent. The following course must be completed previously or concurrently: MAST 219 or equivalent. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an introduction to the theoretical basis of core statistics topics. Topics include point and interval estimation; hypothesis testing; likelihood function; Neyman Pearson Lemma and likelihood ratio tests.

Component(s):

"Lecture"

Notes:

- Students enrolled in a Mathematics and Statistics program who take probability/statistics courses in other departments may not receive credit for this course. Please consult a Mathematics and Statistics undergraduate program advisor.

STAT 280 Introduction to Statistical Programming (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 203, MATH 204 or equivalent.

Description:

This course is an introduction to statistical programming and computational statistics using the R programming language. Basic programming concepts such as data types, control structures, and algorithms are introduced. The course illustrates data manipulation methods, descriptive analyses, and data visualization tools. The use of linear algebra, statistical simulation, and optimization functions is also illustrated. Applications and examples use real data sets.

Component(s):

"Lecture"

Notes:

- Students who have received credit for GEOG 264 may not take this course for credit.

STAT 287 Statistics Lab I (1 credits)

Description:

This lab is associated with STAT 249 and STAT 250 and features problemsolving sessions for the probability examination of the Society of Actuaries and the Casualty Actuarial Society.

Component(s):

"Laboratory"

STAT 342 Statistical Quality Control (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 250 or MAST 333.

Description:

This course is an introduction to statistical tools for quality management and productivity. Topics may include control charts for variables and attributes, acceptance sampling, sampling inspection, process capability measures and process improvement methods.

Component(s):

"Lecture"

STAT 343 Sample Survey Theory and Applications (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 250 or MAST 333.

Description:

This course examines the theory and applications of survey sampling. Topics may include basic sampling designs and estimators; simple random sampling, stratified, cluster and systematic sampling; sampling with unequal probabilities; ratio and regression methods of estimation.

Component(s):

"Lecture"

STAT 347 Introduction to Non-Parametric Statistics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 250 or MAST 333.

Description:

This course is an introduction to non-parametric statistics. Topics may include the theory of rank tests, sign test, Mann-Whitney and Wilcoxon one-sample and two-sample tests, Kruskal-Wallis test, goodness of fit tests, Kolmogorov-Smirnov test, Pearson chi-square test, rank correlation and Kendall's tau.

Component(s):

"Lecture"

STAT 349 Probability II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 249 or equivalent.

Description:

This course introduces computing probabilities and expectations by conditioning, and Markov chains both in discrete time and continuous time along with their theoretical properties. Specific examples are studied such as random walks, Poisson processes, and birth and death processes. Applications are presented and may include queueing theory, ruin probability calculation, and demographic projections.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 223 may not take this course for credit.

STAT 360 Linear Models (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 250 or equivalent.

Description:

This course examines linear models. Topics may include least squares estimators and their properties; general linear model with full rank; analysis of residuals; adequacy of model, lack of fit test, weighted least squares; stepwise regression.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ECON 222 or PSYC 316 may not take this course for credit.

STAT 380 Statistical Learning (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 251 or MAST 234 or equivalent. The following course must be completed previously or concurrently: STAT 360 or MAST 333 or equivalent.

Description:

This course is an introduction to statistical learning techniques, including supervised and unsupervised learning methods. Supervised learning methods for regression and classification include linear models, variable selection methods, shrinkage, linear and quadratic discriminant, classification and regression trees, K-nearest neighbours, support vector machines and neural networks. Unsupervised learning methods include clustering approaches and principal component analysis. Some applications to data science are illustrated. Further special topics may be explored.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMP 432 or this topic under a STAT 497 number may not take this course for credit.

STAT 385 Introduction to Neural Networks (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MAST 218 or equivalent; MAST 234 or MATH 251; MAST 333 or STAT 360.

Description:

This course offers an introduction to the theory of prediction with neural networks, demonstrating their construction, estimation, and use in predictive analysis. Various neural network architectures (feedforward, recurrent, convolutional) are presented. Advanced estimation techniques such as regularization and adaptive learning rates are also considered. Several applications of neural networks to common problems faced in practice are finally explored. Students also learn to apply methods seen in class; programming assignments using programming languages such as Python are included.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMP 433 may not take this course for credit.

STAT 388 Statistics Lab II (2 credits)

Description:

This lab will use various softwares such as SYSTAT, SAS, SPLUS, MINITAB for data analysis.

Component(s):

"Laboratory"

Notes:

- Students who have received credit for MATH 232 may not take this course for credit.

STAT 449 Advanced Probability (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: STAT 250, STAT 349.

Description:

This course continues the study of probability theory at an advanced level. Topics may include central limit theorems and law of large numbers, convergence of random variables, characteristic function, moment generating function, probability generating functions, random walk and reflection principle.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 451 may not take this course for credit.

STAT 450 Mathematical Statistics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 250. The following course must be completed previously or concurrently: STAT 349. If prerequisites are not satisfied permission of the Department is required.

Description:

This course is focused on the application of probability theory to statistics. Topics covered may include derivation of standard sampling distributions; distribution of order-statistics; estimation, properties of estimators; Rao- Cramer inequality, Rao-Blackwell theorem, maximum likelihood and method of moments estimation, Neyman-Pearson theory, likelihood ratio tests and their properties.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MATH 454 may not take this course for credit.

STAT 452 Introduction to Stochastic Processes (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 449.

Description:

This course is an introduction to stochastic processes. Topics may include Martingale, Brownian motion, stochastic integral, Ito's formula, stochastic differential equation.

Component(s):

"Lecture"

STAT 460 Time Series and Forecasting (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 360.

Description:

This course examines the properties and processes of time series models. Topics may include time series, forecasting by trend and irregular components (using multiple regression analysis and exponential smoothing); forecasting seasonal time series, additive and multiplicative decomposition methods, Box-Jenkins methodology, moving average, autoregressive and mixed models.

Component(s):

"Lecture"

STAT 461 Statistical Simulation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 349.

Description:

This course is an introduction to the methods of simulation and the Monte Carlo techniques. Additional topics covered may include simulation of Poisson process, simulation of discrete event systems (such as queues, insurance risk model, machine-repair problem), and variance reduction methods.

Component(s):

"Lecture"

STAT 465 Multivariate Statistics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 252; STAT 360 or equivalent.

Description:

Multivariate normal distribution; estimation and testing of hypothesis about mean vector; multiple and partial correlation; MANOVA; principal components analysis.

Component(s):

"Lecture"

STAT 468 Design of Experiments (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 360.

Description:

Construction and analysis of standard designs, including balanced designs; block designs; orthogonal designs; response surface designs.

Component(s):

"Lecture"

STAT 480 Statistical Consulting and Data Analysis (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: STAT 360. If prerequisites are not satisfied, permission of the Department is required.

Description:

Statistical software packages in SAS or R are used for the analysis of real-life data sets. Topics may include techniques from generalized linear models, model selection, log-linear models for categorical data, logistic regression, survival models.

Component(s):

"Lecture"

STAT 497 Topics in Statistics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- The content varies from term to term and from year to year. Students may re-register for this course, provided the course content has changed. Changes in content are indicated by the title of the course.

STAT 498 Reading Course in Statistics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Reading"

Notes:

- The content varies from term to term and from year to year. Students may re-register for this course, provided the course content has changed. Changes in content are indicated by the title of the course.

STAT 499 Honours Project in Statistics (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Research"

Section 31.220 Department of Philosophy

Department of Philosophy

Philosophy Programs
- Philosophy Program Notes
- BA Honours in Philosophy
- BA Major in Philosophy
- Minor in Ethics and Values
- Minor in Philosophy

Department of Philosophy Courses

Department of Philosophy

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/philosophy.html

Department Objectives

The Department of Philosophy offers a broad range of studies in philosophy. This includes courses in the history of philosophy spanning three millennia and courses covering a diverse spectrum of philosophical topics and approaches. Many of the courses are designed for undergraduates pursuing studies in other disciplines in the humanities, social sciences, and sciences. The aim is to contribute to the development of critical, informed, and open minds.

Philosophy Program Notes

- The major and minor programs give students an understanding of the aims, methods, and content of a range of major philosophical periods and traditions. The honours program prepares students for graduate study in philosophy.

BA Honours in Philosophy

Program Requirements

Honours in Philosophy (60 credits)

15 credits from Stage I: Honours in Philosophy

27 credits from Stage II: Honours in Philosophy

18 credits from Stage III: Honours in Philosophy

Stage I: Honours in Philosophy (15 credits)

12 credits:

- PHIL 214 Deductive Logic (3.00)
- PHIL 232 Introduction to Ethics (3.00)
- PHIL 260 Presocratics and Plato (3.00)
- PHIL 261 Aristotle and Hellenistic Philosophy (3.00)

3 credits chosen from:

- PHIL 220 Introduction to the Philosophy of Science (3.00)
- PHIL 263 Introduction to Epistemology (3.00)
- PHIL 265 Introduction to Metaphysics (3.00)

Stage II: Honours in Philosophy (27 credits)

6 credits:

- PHIL 360 Early Modern Philosophy I: 17th Century (3.00)
- PHIL 361 Early Modern Philosophy II: 18th Century (3.00)

3 credits chosen from:

- PHIL 318 Philosophy of Biology (3.00)
- PHIL 328 Intermediate Philosophy of Science (3.00)
- PHIL 364 Intermediate Epistemology (3.00)
- PHIL 365 Intermediate Metaphysics (3.00)

3 credits chosen from:

- PHIL 330 Contemporary Ethical Theory (3.00)
- PHIL 342 Political Philosophy (3.00)

3 credits chosen from:

- PHIL 362 Medieval Philosophy (3.00)
- PHIL 374 Kant and 19th-Century Philosophy (3.00)
- PHIL 377 20th-Century Continental Philosophy (3.00)
- PHIL 380 Chinese Philosophy: From Han to the 19th Century (3.00)

12 credits of PHIL elective or cognate courses at the 300 or 400 level to be chosen in consultation with the Department

Stage III: Honours in Philosophy (18 credits)

3 credits chosen from:

- PHIL 414 Advanced Topics in Logic (3.00)
- PHIL 416 Philosophy of Language (3.00)
- PHIL 420 Advanced Philosophy of Science (3.00)
- PHIL 425 Philosophy of Mind: Cognitive Science (3.00)
- PHIL 441 Philosophical Foundations of Biology (3.00)
- PHIL 463 Current Research in Epistemology (3.00)
- PHIL 464 Advanced Studies in Epistemology (3.00)
- PHIL 465 Current Research in Metaphysics (3.00)
- PHIL 467 Advanced Studies in Metaphysics (3.00)
- PHIL 489 Phenomenology (3.00)

3 credits chosen from:

- PHIL 429 Values and Biotechnology (3.00)
- PHIL 430 Advanced Studies in Ethics (3.00)
- PHIL 440 Advanced Political Philosophy (3.00)
- PHIL 471 Advanced Topics in Feminist Theory (3.00)

3 credits chosen from:

- PHIL 480 Plato (3.00)
- PHIL 481 Aristotle (3.00)
- PHIL 482 Advanced Topics in Ancient Philosophy (3.00)
- PHIL 483 Advanced Topics in the History of Philosophy (3.00)

- PHIL 485 Kant (3.00)
- PHIL 486 Hegel (3.00)
- PHIL 487 Origins of Analytic Philosophy (3.00)

9 credits of PHIL elective or cognate courses at the 400 level to be chosen in consultation with the Department

Notes

- Students interested in entering an honours program should consult their undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Philosophy

Program Requirements

Major in Philosophy (36 credits)

15 credits from Stage I: Major in Philosophy

9 credits from Stage II: Major in Philosophy

12 credits from Stage III: Major in Philosophy

Stage I: Major in Philosophy (15 credits)

3 credits chosen from:

- PHIL 210 Critical Thinking (3.00)
- PHIL 214 Deductive Logic (3.00)

9 credits:

- PHIL 232 Introduction to Ethics (3.00)
- PHIL 260 Presocratics and Plato (3.00)
- PHIL 261 Aristotle and Hellenistic Philosophy (3.00)

3 credits chosen from:

- PHIL 220 Introduction to the Philosophy of Science (3.00)
- PHIL 263 Introduction to Epistemology (3.00)
- PHIL 265 Introduction to Metaphysics (3.00)

Stage II: Major in Philosophy (9 credits)

6 credits:

- PHIL 360 Early Modern Philosophy I: 17th Century (3.00)
- PHIL 361 Early Modern Philosophy II: 18th Century (3.00)

3 credits chosen from:

- PHIL 362 Medieval Philosophy (3.00)
- PHIL 374 Kant and 19th-Century Philosophy (3.00)
- PHIL 377 20th-Century Continental Philosophy (3.00)

- PHIL 380 Chinese Philosophy: From Han to the 19th Century (3.00)

Stage III: Major in Philosophy (12 credits)

6 credits of PHIL elective courses at any level

6 credits of PHIL elective courses at the 400 level to be chosen in consultation with the Department

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Ethics and Values

Program Requirements

Minor in Ethics and Values (24 credits)

3 credits:

- PHIL 232 Introduction to Ethics (3.00)

3 credits from the following group:

Fundamentals I

3 credits from the following group:

Fundamentals II

6 credits from the following group:

Applied and Normative Ethics

6 credits from the following group:

Political, Legal, and Social Philosophy

3 credits of elective courses chosen from the following groups:

Applied and Normative Ethics

Political, Legal, and Social Philosophy

Note: Students may also select from other relevant Philosophy courses, with permission of the Department.

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Philosophy

Program Requirements

Minor in Philosophy (24 credits)

6 credits chosen from:

- PHIL 232 Introduction to Ethics (3.00)
- PHIL 263 Introduction to Epistemology (3.00)
- PHIL 265 Introduction to Metaphysics (3.00)

6 credits of PHIL elective courses at the 200 level or higher

12 credits of PHIL elective courses at the 300 level or higher

Notes

- Students are responsible for satisfying their particular degree requirements.

Ethics Course Groups

Applied and Normative Ethics

- PHIL 233 Applied Ethics (3.00)
- PHIL 235 Biomedical Ethics (3.00)
- PHIL 236 Environmental Ethics (3.00)
- PHIL 266 Introduction to Philosophy of Religion (3.00)
- PHIL 330 Contemporary Ethical Theory (3.00)
- PHIL 333 Philosophical Ideas in Literature (3.00)
- PHIL 339 Aesthetics (3.00)
- PHIL 389 Epistemology and Ethics in the Digital Age (3.00)
- PHIL 429 Values and Biotechnology (3.00)
- PHIL 430 Advanced Studies in Ethics (3.00)

Fundamentals I

- PHIL 210 Critical Thinking (3.00)
- PHIL 214 Deductive Logic (3.00)
- PHIL 220 Introduction to the Philosophy of Science (3.00)
- PHIL 226 Introduction to Philosophy of Mind (3.00)
- PHIL 263 Introduction to Epistemology (3.00)
- PHIL 265 Introduction to Metaphysics (3.00)
- PHIL 275 From Modern to Postmodern: Philosophical Thought and Cultural Critique (3.00)
- PHIL 280 Classical Chinese Philosophy (3.00)
- PHIL 281 Philosophy in the Islamic World (3.00)
- PHIL 285 World Philosophy (3.00)

Fundamentals II

- PHIL 316 Intermediate Logic (3.00)
- PHIL 318 Philosophy of Biology (3.00)
- PHIL 324 Philosophy of Social Science (3.00)
- PHIL 325 Philosophical Psychology (3.00)

- PHIL 328 Intermediate Philosophy of Science (3.00)
- PHIL 377 20th-Century Continental Philosophy (3.00)
- PHIL 380 Chinese Philosophy: From Han to the 19th Century (3.00)
- PHIL 387 Existentialism (3.00)

Political, Legal, and Social Philosophy

- PHIL 241 Philosophy of Human Rights (3.00)
- PHIL 342 Political Philosophy (3.00)
- PHIL 343 Philosophy of Law: General Jurisprudence (3.00)
- PHIL 371 Philosophy of Feminism (3.00)
- PHIL 372 Philosophy of Race (3.00)
- PHIL 385 Marxism (3.00)
- PHIL 440 Advanced Political Philosophy (3.00)
- PHIL 471 Advanced Topics in Feminist Theory (3.00)

Department of Philosophy Courses

PHIL 201 Problems of Philosophy (3 credits)

Description:

In this course, students are introduced to philosophical problems such as: What is the nature of reality? How does one know what is real, and how is it distinct from misleading appearances or illusion? What is knowledge? Does knowledge require certainty? How is knowledge distinct from belief? Are people free? That is to say, do they choose their actions or are their actions determined by causes beyond their control? If people are not free, then how can they be held responsible for their actions? Can God's existence be proven? How is the mind related to the body, if at all? What is it to be a morally good person?

Component(s):

"Lecture"

PHIL 210 Critical Thinking (3 credits)

Description:

This course is an introduction to argumentation and reasoning. It focuses on the kinds of arguments one is likely to encounter in academic work, in the media, and in philosophical, social, and political debate. The course aims to improve students' ability to advance arguments persuasively and their ability to respond critically to the arguments of others. Students will find the skills they gain in this course useful in virtually every area of study.

Component(s):

"Online"

PHIL 214 Deductive Logic (3 credits)

Description:

This course presents the modern symbolic systems of sentential and predicate logic. Students transcribe English sentences into a logical form, analyze the concepts of logical truth, consistency, and validity, as well as learn to construct derivations in each system.

Component(s):

"Lecture"; "Conference"

Notes:

- This course may not be taken for credit by students who have taken PHIL 212.

PHIL 216 Introduction to the Philosophy of Language (3 credits)

Description:

This course provides an introduction to the main problems in the philosophy of language, concerned with the analysis of the concepts of meaning, reference, truth, necessity.

Component(s):

"Lecture"

PHIL 220 Introduction to the Philosophy of Science (3 credits)

Description:

This course provides an introduction to the main problems in the philosophy of science. These include the structure of scientific theories, various models of scientific method and explanation, and the existence of unobservables.

Component(s):

"Lecture"; "Conference"

Notes:

- Students who have received credit for INTE 250 or PHIL 228 may not take this course for credit.

PHIL 226 Introduction to Philosophy of Mind (3 credits)

Description:

This course examines philosophical problems about mind, and competing solutions. Topics may include: How does the mind relate to the brain or body? Could computers think? How can one know what other minds are thinking? What is the nature of conscious experience? Which animals are conscious? What determines what one's thoughts are about?

Component(s):

"Lecture"

PHIL 232 Introduction to Ethics (3 credits)

Description:

Philosophical discussions of ethics have both practical significance (What should one do?) and theoretical interest (What does imean to say, "That's the right thing to do"?). In this course, students are introduced to some representative approaches to ethical thought and action. General questions about the nature of ethical reasoning are also considered. For example: Are there objective ethical truths or are ethical judgments merely relative to social norms? An effort is made to incorporate those ethical issues which are of specific importance to contemporary society.

Component(s):

"Lecture"; "Conference"

PHIL 233 Applied Ethics (3 credits)

Description:

This course focuses on ethical theory and its application to contemporary issues. The course covers central ethical theories such as virtue ethics (Aristotle), deontology (Kant), and utilitarianism (Mill). It applies these theories to contemporary moral issues such as humans' relation to the environment and nonhuman animals, abortion, consumerism, the use of recreational drugs, the rationing of health-care resources, and national and international distributive justice.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHIL 298 number may not take this course for credit.

PHIL 235 Biomedical Ethics (3 credits)

Description:

This course is primarily concerned with contemporary biomedical debates, many of which are of current social and political significance: euthanasia and physician-assisted suicide, patients' rights, animal experimentation, organ donation and transplantation, palliative care, abortion, genetic engineering, and new reproductive technologies.

Component(s):

"Online"

PHIL 236 Environmental Ethics (3 credits)

Description:

This course examines recent developments in ethical theories as they are applied to questions of environmental practices. Topics discussed may include the moral significance of nonhuman nature, duties to respond to climate change, economics and sustainable environmental protection, and environmental justice.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHIL 298 or PHIL 398 number may not take this course for credit.

PHIL 241 Philosophy of Human Rights (3 credits)

Description:

This course investigates basic philosophical questions regarding human rights, such as their status between morality and law, their scope and the problem of relativism, the concept of human dignity, their relation to democracy, whether national or cosmopolitan, and the debate over the justifiability and feasibility of socio-economic rights as human rights.

Component(s):

"Lecture"; "Conference"

Notes:

- Students who have received credit for this topic under a PHIL 298 number may not take this course for credit.

PHIL 260 Presocratics and Plato (3 credits)

Description:

This course is a study of ancient Greek philosophy from its beginnings to Plato.

Component(s):

"Lecture"; "Conference"

PHIL 261 Aristotle and Hellenistic Philosophy (3 credits)

Description:

This course is an introduction to Aristotle and the main lines of thought in Hellenistic philosophy, including Stoicism, Epicureanism and Scepticism.

Component(s):

"Lecture"; "Conference"

PHIL 263 Introduction to Epistemology (3 credits)

Description:

An introduction to the basic concepts and problems in epistemology, including belief, knowledge, scepticism, perception, and intentionality.

Component(s):

"Lecture"; "Conference"

PHIL 265 Introduction to Metaphysics (3 credits)

Description:

This course is an introduction to metaphysics and the attempt to understand a mind-independent reality. This involves distinguishing those aspects of reality that are dependent on the mind from those aspects that are independent of the mind. For example, are colours mind-independent properties? Are there universal values and if so, are they mind-independent? Is there a God, and if so, what must that God be like?

Component(s):

"Lecture"; "Conference"

PHIL 266 Introduction to Philosophy of Religion (3 credits)

Description:

This course examines the nature of religion and spirituality, and their role in human experience. It addresses topics such as the existence of sacred reality; whether belief in the divine can be rational; the self, rebirth, and reincarnation; evil and divine justice; and religious pluralism. These topics are explored through a wide range of theistic and non-theistic religious traditions, including Christianity, Judaism, Islam, Buddhism, Hinduism, Daoism, and Indigenous religions.

Component(s):

"Online"

PHIL 275 From Modern to Postmodern: Philosophical Thought and Cultural Critique (3 credits)

Description:

This course focuses on key developments in modern and postmodern philosophy and their cultural influences. The course provides an introduction to philosophers (such as Kant, Nietzsche, and Foucault) and philosophical movements (such as empiricism, existentialism, and post-structuralism) of the modern era. It also introduces students to the tremendous influence that philosophical theory has had on the arts, on social and political movements, and on virtually every field of study in the humanities and social sciences.

Component(s):

"Lecture"

PHIL 280 Classical Chinese Philosophy (3 credits)

Description:

This course introduces the philosophical traditions of the ancient period of Chinese history of philosophy, namely the Pre-Qin period (before 202 BCE).

Component(s):

"Lecture"

PHIL 281 Philosophy in the Islamic World (3 credits)

Description:

An introduction to philosophy in classical and modern Islamic contexts. Authors may include al-Fārābī, ibn Sīnā, ibn Tufayl, al-Ghazālī, and ibn Rushd (classical); Muhammad Iqbal, Rokeya Sakhawat Hosein, Amina Wadud, Kecia Ali, and Abdol Karim Soroush (modern). Topics may include cosmology, the nature of God, causation, skepticism and certainty, authority and democracy, gender and sexuality, and environmental ethics.

Component(s):

"Lecture"

PHIL 285 World Philosophy (3 credits)

Description:

This course explores philosophical traditions or problems from a diversity of cultures and historical periods from around the world.

Component(s):

"Lecture"

PHIL 298 Introductory Topics in Philosophy (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PHIL 299 Introductory Topics in Philosophy (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PHIL 316 Intermediate Logic (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 214.

Description:

This course is intended for students who are interested in extending their knowledge of logic beyond what is taught in an introductory course. Topics may include metatheory, computability, alternative logics or modal logics.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PHIL 314 or 315 may not take this course for credit.

PHIL 317 Inductive and Abductive Logic (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 210 or PHIL 214. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces approaches to inductive and abductive logic, such as probabilistic approaches. Topics may include classic and new problems for everyday and scientific induction, causal reasoning, the nature of evidence, and how to interpret probabilities.

Component(s):

"Lecture"

Notes:

- Students who received credit for PHIL 218 may not take this course for credit.

PHIL 318 Philosophy of Biology (3 credits)

Prerequisite/Corequisite:

Students must have completed three credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines a variety of philosophical issues in biology. Topics covered may include: fitness, function, units of selection, the nature of species, reductionism, biological explanation of human behaviour and the ethical and epistemological consequences of evolutionary theory.

Component(s):

"Lecture"

PHIL 324 Philosophy of Social Science (3 credits)

Prerequisite/Corequisite:

Students must have completed three credits in Philosophy or 12 credits in social science prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course offers a philosophical examination of the structure and methodology of the social sciences.

Component(s):

"Lecture"

PHIL 325 Philosophical Psychology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 226. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course philosophically investigates the psychology of mind and cognition. Example questions: Which model of the mind's architecture is best? Could all of psychology eventually be reduced to physics? How do sensory-motor systems and

the environment shape cognition? How does one ascribe beliefs and desires to others? How well does one know one's own beliefs?

Component(s):

"Lecture"

PHIL 327 Kinds of Minds (3 credits)

Prerequisite/Corequisite:

Students must have completed three credits in Philosophy, or Computer Science, or Psychology, or Biology prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores human, animal, and artificial minds by combining philosophy, artificial intelligence, and neurobiology. Topics may include: What distinguishes human minds from those of non-human animals? Could robots endowed with human-like sensory systems exhibit mental traits? How do evolution and experience combine to explain the origin of cognition?

Component(s):

"Lecture"

PHIL 328 Intermediate Philosophy of Science (3 credits)

Prerequisite/Corequisite:

Students must have completed three credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an in-depth study of the nature of justification in science, theories of scientific explanation, the rationality of theory change, and debates concerning realism and antirealism.

Component(s):

"Lecture"

PHIL 330 Contemporary Ethical Theory (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 232 or PHIL 233 or PHIL 235 or PHIL 236 or PHIL 241. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an examination of contemporary ethical theories such as deontology, utilitarianism, virtue theory, feminist ethics, and narrative ethics.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHIL 398 number may not take this course for credit.

PHIL 333 Philosophical Ideas in Literature (3 credits)

Prerequisite/Corequisite:

Students must have completed three credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course presents a comparative approach to philosophical ideas in literature, which may involve authors from different historical time frames, different world views, or different perspectives of a single author.

Component(s):

"Lecture"

PHIL 339 Aesthetics (3 credits)

Prerequisite/Corequisite:

Students must have completed three credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

A survey of aesthetic theories in philosophy, with particular attention to major developments in the modern and contemporary periods.

Component(s):

"Lecture"

PHIL 342 Political Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed three credits in Philosophy or Political Science prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides analyses of important political and philosophical concepts such as globalization, nationalism, power, multiculturalism, tolerance, liberty, equality, community, economic justice, and democracy.

Component(s):

"Lecture"

PHIL 343 Philosophy of Law: General Jurisprudence (3 credits)

Description:

This course provides a philosophical study of natural law theory, legal positivism, and legal realism. The associated issues of legal moralism, legal justice, legal obligation and its limits, and legal reasoning are addressed and applied to cases.

Component(s):

"Lecture"

PHIL 345 Legal Philosophy: Legal Rights and Duties (3 credits)

Description:

This course offers a philosophical study of the nature, sources, and functions of rights and duties. Attention is given to the particular rights associated with contract and property, and their abuse, to duties arising by law alone, to excuses and justifications for failure to fulfill duties, and to enforcement, punishment, and compromise.

Component(s):

"Lecture"

PHIL 352 Philosophy of History (3 credits)

Prerequisite/Corequisite:

Students must have completed three credits in History or Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

An analysis of the nature of historical knowledge and explanation is followed by a study of classical and contemporary attempts to elucidate the meaning of history. Authors may include Augustine, Vico, Kant, Hegel, Marx, Spengler, Popper, Toynbee, Arendt.

Component(s):

"Lecture"

PHIL 356 Philosophy of Education (3 credits)

Description:

This course examines philosophical principles underlying educational theories and problems arising from the practical implementation of those theories.

Component(s):

"Lecture"

PHIL 360 Early Modern Philosophy I: 17th Century (3 credits)

Description:

This course is a study of central metaphysical, epistemological, and ethical themes in the work of authors such as Descartes, Hobbes, Cavendish, Spinoza, Conway, Malebranche, Locke, and Leibniz.

Component(s):

"Lecture"

PHIL 361 Early Modern Philosophy II: 18th Century (3 credits)

Description:

This course is a study of central metaphysical, epistemological, and ethical themes in the work of authors such as Locke, Leibniz, Astell, Masham, Wolff, Berkeley, du Châtelet, Hume, Reid, and Kant.

Component(s):

"Lecture"

PHIL 362 Medieval Philosophy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 260 or PHIL 261. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an introduction to central themes in logic, physics, metaphysics, and moral and political philosophy from the fourth to the 14th century. Authors examined may include Augustine, Boethius, Anselm, ibn Sīnā, ibn Rushd, Thomas Aquinas, Moses ben Maimon, Duns Scotus, and William of Occam.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PHIL 363 may not take this course for credit.

PHIL 364 Intermediate Epistemology (3 credits)

Prerequisite/Corequisite:

Students must have completed three credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course presents an intermediate study of major contemporary issues in the theory of knowledge, such as scepticism, nonempirical knowledge, contextualism, virtue epistemology, experimental epistemology, and debates between internalists

and externalists concerning justification and knowledge.

Component(s):

"Lecture"

PHIL 365 Intermediate Metaphysics (3 credits)

Prerequisite/Corequisite:

Students must have completed three credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course presents an intermediate study of major contemporary issues in metaphysics, such as realism vs. anti-realism concerning the external world; mental causation, personhood and theories of human nature; universals, essences and natural kinds.

Component(s):

"Lecture"

PHIL 371 Philosophy of Feminism (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 232 or PHIL 263. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an introduction to some of the central issues in contemporary feminist philosophy. The key arguments in feminist epistemology, feminist ethics, and sex and gender studies are discussed from a variety of perspectives.

Component(s):

"Lecture"

PHIL 372 Philosophy of Race (3 credits)

Description:

This course introduces philosophical approaches to concepts of race and racism. The course may explore metaphysical, epistemological, moral, social, political, scientific, or historical topics concerning race.

Component(s):

"Lecture"

PHIL 374 Kant and 19th-Century Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed six credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines Kant and some of the main currents of post-Kantian philosophy, possibly including Hegel and post-Hegelians, the romantic reaction, positivism, and pragmatism.

Component(s):

"Lecture"

PHIL 377 20th-Century Continental Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed six credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines 20th-century French and German philosophy. Philosophers examined may include Husserl, Heidegger, Merleau-Ponty, Foucault, Derrida, and Habermas.

Component(s):

"Lecture"

PHIL 378 American Pragmatism (3 credits)

Prerequisite/Corequisite:

Students must have completed six credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an analysis of some classical American pragmatists, such as Peirce, Dewey, James and C.I. Lewis, together with exponents of contemporary neopragmatism, such as Putnam, Rorty, and Quine.

Component(s):

"Lecture"

PHIL 380 Chinese Philosophy: From Han to the 19th Century (3 credits)

Description:

This course introduces the philosophical traditions of Chinese philosophy from 202 BCE to the 19th century. It examines the development of Confucianism, Daoism, and Buddhism and discusses topics in ethics, political philosophy, metaphysics, and epistemology.

Component(s):

"Lecture"

PHIL 385 Marxism (3 credits)

Description:

This course provides a critical analysis of the ideas of Marx and their modern development.

Component(s):

"Lecture"

PHIL 387 Existentialism (3 credits)

Description:

This course acquaints the student with the fundamentals of the existentialist movement as a philosophical perspective. Philosophers considered may include Kierkegaard, Nietzsche, Heidegger, Sartre, Merleau-Ponty, Jaspers, Marcel, and Berdyaev.

Component(s):

"Lecture"

PHIL 389 Epistemology and Ethics in the Digital Age (3 credits)

Description:

This course examines epistemological and ethical implications of digital technologies (e.g. surveillance, artificial intelligence, and big data) in areas such as privacy, power relations, and the generation and sharing of knowledge.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHIL 398 number may not take this course for credit.

PHIL 398 Intermediate Special Topics in Philosophy (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PHIL 399 Intermediate Special Topics in Philosophy (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PHIL 414 Advanced Topics in Logic (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 214. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course presents the fundamentals of an advanced topic in logic.

Component(s):

"Lecture"

PHIL 416 Philosophy of Language (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an advanced study of a central problem in recent philosophy of language.

Component(s):

"Lecture"

PHIL 420 Advanced Philosophy of Science (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores advanced topics in the philosophy of science, such as theory change and justification, realism and anti-realism, or reductionism; or specific issues in philosophy of physics or biology, such as evolution and development.

Component(s):

"Lecture"

PHIL 425 Philosophy of Mind: Cognitive Science (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 226 or PHIL 325 or PHIL 327. If prerequisites are not satisfied, permission of the Department is required.

Description:

This interdisciplinary course combines the philosophical study of mind with current research in psychology, neuroscience, linguistics, and computer science.

Component(s):

"Lecture"

PHIL 429 Values and Biotechnology (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy including PHIL 232 or PHIL 233 or PHIL 235 or PHIL 318 or PHIL 330 or PHIL 441 prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines normative issues around genetic engineering or other biotechnologies, including moral, metaphysical, epistemic or political questions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHIL 498 number may not take this course for credit.

PHIL 430 Advanced Studies in Ethics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 232 or PHIL 330. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course offers a study of one or more of the following ethical theories: deontology, utilitarianism, virtue theory, feminist ethics, care ethics, narrative ethics, contractualism, and discourse ethics, with a focus on ethical reasoning and motivation.

Component(s):

"Lecture"

PHIL 440 Advanced Political Philosophy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 241 or PHIL 342. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course uses selected historical or contemporary writings in political philosophy to treat topics such as those of power, freedom, equality, distributive justice, law, and the boundaries of the political. Specific topics for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

PHIL 441 Philosophical Foundations of Biology (3 credits)

(also listed as BIOL 421)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course helps students critically engage biology's philosophical foundations. Topics typically include the nature of scientific reasoning, testing, and evidence in biology; how best to discover, define, and apply biological concepts; and how to structure the aims of biology to fit our diverse and changing societies.

Component(s):

"Lecture"

Notes:

- Students who have received credit for BIOL 421 may not take this course for credit.

PHIL 463 Current Research in Epistemology (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy including PHIL 263 or PHIL 265 or PHIL 364 or PHIL 365 prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course presents an intensive study of major contemporary issues in the theory of knowledge.

Component(s):

"Lecture"

PHIL 464 Advanced Studies in Epistemology (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy including PHIL 263 or PHIL 265 or PHIL 364 or PHIL 365 prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines a cross-section of important epistemological issues, such as those about justification, evidence, reason, rationality, or knowledge.

Component(s):

"Lecture"

Notes:

- This course may be taken more than one time for credit, provided the subject matter is different.

PHIL 465 Current Research in Metaphysics (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy including PHIL 263 or PHIL 265 or PHIL 364 or PHIL 365 prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course presents an intensive study of major contemporary issues in metaphysics.

Component(s):

"Lecture"

PHIL 467 Advanced Studies in Metaphysics (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy including PHIL 263 or PHIL 265 or PHIL 364 or PHIL 365 prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines a cross-section of important issues in metaphysics, such as those about the nature of causation, time, necessity, possibility, constitution, identity, persistence, properties, being, existence, structure, nature, or substance.

Component(s):

"Lecture"

Notes:

- This course may be taken more than one time for credit, provided the subject matter is different.

PHIL 471 Advanced Topics in Feminist Theory (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHIL 371. If prerequisites are not satisfied, permission of the Department is required.

Description:

An examination of recent issues in one of feminist ethics, epistemology or metaphysics. Subject will vary from year to year.

Component(s):

"Lecture"

PHIL 472 Advanced Topics in Phenomenology (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course studies themes or topics in recent research in phenomenology, such as nature, life, place, body, mind, illness, and disability.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHIL 498 number may not take this course for credit.

PHIL 473 Advanced Topics in Continental Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy including PHIL 374 or PHIL 377 prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on a selected theme or topic within or via the texts of the tradition of continental philosophy. Example topics include language, the world, animality, social or environmental justice, the political, violence, and memory.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHIL 498 number may not take this course for credit.

PHIL 474 Current Research Topics in Continental Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy including PHIL 374 or PHIL 377. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines recent research on major figures, or relations between major authors, in continental philosophy

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHIL 498 number may not take this course for credit.

PHIL 475 Contemporary Issues in Analytic Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course addresses work by contemporary analytic philosophers on a chosen topic.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHIL 498 number may not take this course for credit.

PHIL 480 Plato (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy including PHIL 260 and PHIL 261 prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Selected themes in the major dialogues of Plato are analyzed in depth.

Component(s):

"Lecture"

PHIL 481 Aristotle (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy including PHIL 260 and PHIL 261 prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Selected passages from the major works of Aristotle are analyzed in depth.

Component(s):

"Lecture"

PHIL 482 Advanced Topics in Ancient Philosophy (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHIL 260 and PHIL 261.

Description:

An in-depth study of principal figures or important topics in ancient Greek or Roman philosophy.

Component(s):

"Lecture"

PHIL 483 Advanced Topics in the History of Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course presents an intensive study of selected topics in the history of philosophy.

Component(s):

"Lecture"

PHIL 484 Advanced Topics in World Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course presents an intensive study of selected topics in world philosophy.

Component(s):

"Lecture"

PHIL 485 Kant (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an intensive study of Kant's Critique of Pure Reason and related works.

Component(s):

"Lecture"

PHIL 486 Hegel (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an analysis of selected themes from Hegel's works.

Component(s):

"Lecture"

PHIL 487 Origins of Analytic Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course investigates selected philosophical problems and methodologies in the late-19th- and early-20th-century traditions that developed into analytic philosophy.

Component(s):

"Lecture"

PHIL 488 Topics in 20th-Century Analytic Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on figures in 20th-century analytic philosophy and/or the topics that attracted their attention.

Component(s):

"Lecture"

PHIL 489 Phenomenology (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines classic themes, texts and methodological issues in phenomenology, typically focusing on the work of figures such as Husserl, Heidegger, and Merleau-Ponty.

Component(s):

"Lecture"

PHIL 490 Continental Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy including PHIL 374 or PHIL 377. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course investigates selected philosophical problems and methodologies as they arose in the late-19th- and early-20th-century traditions that came to be called continental philosophy.

Component(s):

"Lecture"

PHIL 495 Honours Essay (3 credits)

Prerequisite/Corequisite:

Students must have completed 30 credits in Philosophy and be enrolled in Honours Philosophy. Permission of the Department is required.

Description:

With permission of the Department, an honours student may arrange a tutorial program with a faculty member culminating in a research project not exceeding 40 pages.

Component(s):

"Research"

PHIL 496 Tutorial in Philosophy (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This is an opportunity to carry out a personal project under the supervision of a faculty member. An intensive reading program is undertaken in the student's area of special interest. Tutorials may be arranged with any faculty member, and the student must make these arrangements and obtain written permission in advance of registration.

Component(s):

"Tutorial"

Notes:

- Students who have received credit for PHIL 497 may take this tutorial for credit provided the subject matter is different.

PHIL 497 Tutorial in Philosophy (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This is an opportunity to carry out a personal project under the supervision of a faculty member. An intensive reading program is undertaken in the student's area of special interest. Tutorials may be arranged with any faculty member, and the student must make these arrangements and obtain written permission in advance of registration.

Component(s):

"Tutorial"

Notes:

- Students who have received credit for PHIL 496 may take this tutorial for credit provided the subject matter is different.

PHIL 498 Advanced Topics in Philosophy (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PHIL 499 Advanced Topics in Philosophy (6 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits in Philosophy prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.230 Department of Physics

Department of Physics

Physics Programs

- Physics Program Notes
- **Biophysics**
  - Minor in Biophysics
- **Physics**
  - BSc Honours in Physics
  - BSc Specialization in Physics
  - BSc Major in Physics
  - Core Program: Physics

Physics Co-operative Program

Department of Physics Courses

Department of Physics

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/physics.html

Department Objectives

Breakthroughs in physics have revolutionized thinking about the fundamentals of matter, motion, and energy. Physics is the study of these fundamentals. The Department of Physics is committed to preparing students for careers or advanced study in the theoretical, applied, and biological aspects of physics. Students in the co-op program gain valuable job experience and discover the career opportunities open to them in addition to regular coursework.

The Department is also participating in the Kaié:ri Nikawerá:ke Indigenous Bridging Program for BSc Physics students. This program offers alternative entry to eligible Indigenous students, specifically from First Nations, Métis and Inuit communities located in Canada, whose academic path is non-traditional. Students who successfully complete this bridging program will be able to transition to the program of their choice within the Department of Physics. For admissions criteria, please consult the following pages:

- Kaié:ri Nikawerá:ke Indigenous Bridging Program under Section 14 Alternative Entry
- Kaié:ri Nikawerá:ke Indigenous Bridging Program for General BSc, Physics Stream, under Section 31.002 Programs and Admission Requirements

Please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program website for more information:
concordia.ca/students/new/indigenous-bridging-program

Physics Program Notes

- Students are required to complete the appropriate entrance profile for entry into the program (see Section 31.002 Programs and Admission Requirements— Profiles).

Minor in Biophysics

Program Requirements

Minor in Biophysics (24 credits)

9 credits:

- MAST 218 Multivariable Calculus I (3.00)
- PHYS 252 Optics (3.00)
- PHYS 260 Introductory Biophysics (3.00)

3 credits chosen from:

- BIOL 266 Cell Biology (3.00)
- PHYS 232 Methods of Theoretical Physics I (3.00)

3 credits chosen from:

- PHYS 236 Numerical Methods in Physics with Python (3.00)
- PHYS 253 Electricity and Magnetism I (3.00)

9 credits chosen from:

- PHYS 334 Thermodynamics (3.00)
- PHYS 443 Quantitative Human Systems Physiology (3.00)
- PHYS 445 Principles of Medical Imaging (3.00)
- PHYS 460 Chemical Aspects of Biophysics (3.00)
- PHYS 461 Membrane Biophysics (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Honours in Physics

Program Requirements

Honours in Physics (72 credits)

42 credits from Core Program: Physics

6 credits:

- PHYS 496 Honours Research Project (6.00)

24 credits from the Concentration in Biophysics or the Concentration in Physics

Concentration in Biophysics (24 credits)

12 credits:

- BIOL 266 Cell Biology (3.00)
- PHYS 260 Introductory Biophysics (3.00)
- PHYS 330 Experimental Physics II (3.00)
- PHYS 460 Chemical Aspects of Biophysics (3.00)

9 credits chosen from:

- CHEM 235 Physical Chemistry II: Kinetics of Chemical Reactions (3.00)
- CHEM 271 Biochemistry I (3.00)
- CHEM 431 Computational Chemistry for Chemists and Biochemists (3.00)
- PHYS 289 Honours Research Experience I (3.00)
- PHYS 345 Advanced Classical Mechanics (3.00)
- PHYS 370 Nonlinear Dynamics/Chaos/Fractals (3.00)
- PHYS 389 Honours Research Experience II (3.00)
- PHYS 440 Computational Methods in Physics with Python (3.00)
- PHYS 445 Principles of Medical Imaging (3.00)
- PHYS 459 Condensed Matter Physics I (3.00)
- PHYS 461 Membrane Biophysics (3.00)
- PHYS 462 Bioenergetics (3.00)
- PHYS 463 Optical Spectroscopy with Biophysics Applications (3.00)

3 credits chosen from:

- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 340 Plant Biology (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 371 Microbiology (3.00)
- PHYS 443 Quantitative Human Systems Physiology (3.00)

Concentration in Physics (24 credits)

18 credits:

- PHYS 330 Experimental Physics II (3.00)
- PHYS 345 Advanced Classical Mechanics (3.00)
- PHYS 355 Electronics (3.00)
- PHYS 459 Condensed Matter Physics I (3.00)
- PHYS 468 Condensed Matter Physics II (3.00)
- PHYS 478 Quantum Mechanics II (3.00)

6 credits chosen from:

- PHYS 289 Honours Research Experience I (3.00)
- PHYS 370 Nonlinear Dynamics/Chaos/Fractals (3.00)
- PHYS 389 Honours Research Experience II (3.00)
- PHYS 436 Methods of Theoretical Physics III (3.00)
- PHYS 440 Computational Methods in Physics with Python (3.00)
- PHYS 443 Quantitative Human Systems Physiology (3.00)
- PHYS 445 Principles of Medical Imaging (3.00)
- PHYS 458 Advanced Electrodynamics (3.00)
- PHYS 498 Advanced Topics in Physics (3.00)

Notes

- Students interested in entering an honours program should consult their academic advisor or undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Physics

Program Requirements

Specialization in Physics (66 credits)

42 credits from Core Program: Physics

24 credits from Option A: Physics or Option B: Biophysics

Option A: Physics (24 credits)

21 credits:

- PHYS 330 Experimental Physics II (3.00)
- PHYS 345 Advanced Classical Mechanics (3.00)
- PHYS 355 Electronics (3.00)
- PHYS 459 Condensed Matter Physics I (3.00)
- PHYS 468 Condensed Matter Physics II (3.00)
- PHYS 478 Quantum Mechanics II (3.00)
- PHYS 497 Specialization Research Project (3.00)

3 credits chosen from:

- PHYS 370 Nonlinear Dynamics/Chaos/Fractals (3.00)
- PHYS 436 Methods of Theoretical Physics III (3.00)
- PHYS 440 Computational Methods in Physics with Python (3.00)
- PHYS 443 Quantitative Human Systems Physiology (3.00)
- PHYS 445 Principles of Medical Imaging (3.00)
- PHYS 458 Advanced Electrodynamics (3.00)
- PHYS 498 Advanced Topics in Physics (3.00)

Option B: Biophysics (24 credits)

15 credits:

- BIOL 266 Cell Biology (3.00)
- PHYS 260 Introductory Biophysics (3.00)
- PHYS 330 Experimental Physics II (3.00)

- PHYS 460 Chemical Aspects of Biophysics (3.00)
- PHYS 497 Specialization Research Project (3.00)

6 credits chosen from:

- CHEM 235 Physical Chemistry II: Kinetics of Chemical Reactions (3.00)
- CHEM 271 Biochemistry I (3.00)
- CHEM 431 Computational Chemistry for Chemists and Biochemists (3.00)
- PHYS 345 Advanced Classical Mechanics (3.00)
- PHYS 370 Nonlinear Dynamics/Chaos/Fractals (3.00)
- PHYS 440 Computational Methods in Physics with Python (3.00)
- PHYS 445 Principles of Medical Imaging (3.00)
- PHYS 459 Condensed Matter Physics I (3.00)
- PHYS 461 Membrane Biophysics (3.00)
- PHYS 462 Bioenergetics (3.00)
- PHYS 463 Optical Spectroscopy with Biophysics Applications (3.00)
- PHYS 468 Condensed Matter Physics II (3.00)

3 credits chosen from:

- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 340 Plant Biology (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 371 Microbiology (3.00)
- PHYS 443 Quantitative Human Systems Physiology (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Major in Physics

Program Requirements

Major in Physics (45 credits)

42 credits from Core Program: Physics

3 credits chosen from any Physics course in consultation with an advisor

Notes

- Students are responsible for satisfying their particular degree requirements.

Core Program: Physics

Core Program: Physics (42 credits)

6 credits:

- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)

36 credits:

- PHYS 230 Experimental Physics I (3.00)
- PHYS 232 Methods of Theoretical Physics I (3.00)
- PHYS 236 Numerical Methods in Physics with Python (3.00)
- PHYS 245 Classical Mechanics (3.00)
- PHYS 252 Optics (3.00)
- PHYS 253 Electricity and Magnetism I (3.00)
- PHYS 334 Thermodynamics (3.00)
- PHYS 335 Methods of Theoretical Physics II (3.00)
- PHYS 354 Electricity and Magnetism II (3.00)
- PHYS 367 Modern Physics and Relativity (3.00)
- PHYS 377 Quantum Mechanics I (3.00)
- PHYS 435 Statistical Physics (3.00)

Physics Co-operative Program

The Co-op Program

The Physics co-operative program is offered to all full-time students who are enrolled in the Department and meet the academic requirements for co-op. Students interested in applying for the Physics co-op should refer to Institute for Co-operative Education where a full description of the admission requirements is provided.

Academic content is very similar to that of the regular programs, with some specific recommendations for courses to improve the students' job skills. While it is hoped that most of the positions are in the Montreal area, students must be prepared to work in other parts of Canada.

Students are supervised personally and must meet the requirements specified by the Faculty of Arts and Science and the Institute for Co-operative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers, and the Institute for Co-operative Education is provided by the Physics co-op committee, which includes the student's advisors.

Please refer to Institute for Co-operative Education for additional information.

C.Edge (Career Edge)

The Physics C.Edge option is offered through the Institute for Co-operative Education. Like the co-operative program, C.Edge allows students to gain practical experience through work terms related to their field of study. It is limited to one or two work terms, normally in the summer. Students interested in applying for the C.Edge option should refer to Section 24 Institute for Co-operative Education where a full description is provided.

Department of Physics Courses

PHYS 200 Frontiers in Physics – Without Mathematics (3 credits)

Description:

This course is a non-mathematical introduction to cutting-edge physics. Topics may include quantum mechanics, Einstein's theory of relativity, cosmology, and particle physics. Students investigate fundamental concepts in physics along with cutting-edge applications like quantum computing and biomedical imaging. Current physics publications and resources, as well as careers involving physics, are discussed.

Component(s):

"Lecture"

Notes:

- Students registered in a Physics program may not take this course for credit towards their degree requirements.

PHYS 204 Mechanics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: MATH 203 or equivalent.

Description:

Kinematics, Newton's laws of motion. Statics, dynamics. Conservation of momentum and energy. Rotational motion. Periodic motion.

Component(s):

"Lecture"

Notes:

- Students in programs leading to the BSc degree may not take this course for credit to be applied to their program of concentration. See PHYS 224 for laboratory associated with this course.

PHYS 205 Electricity and Magnetism (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 203; PHYS 204 or equivalent.

Description:

Electrical charge and Coulomb's law. Electrical field and potential. Capacity, steady state, and transient currents. Electromagnetic induction and alternating currents.

Component(s):

"Lecture"

Notes:

- Students in programs leading to the BSc degree may not take this course for credit to be applied to their program of concentration. See PHYS 225 for laboratory associated with this course.

PHYS 206 Waves and Modern Physics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 204 or equivalent.

Description:

This course reviews Geometrical optics, together with wave propagation and interference. It covers special relativity and the photoelectric and Compton effects as well as introduces the Shrödinger equation and wave function, the uncertainty principle, Bohr's atom, and radioactivity. Selected topics from high energy physics may be included.

Component(s):

"Lecture"

Notes:

- Students in programs leading to the BSc degree may not take this course for credit to be applied to their program of concentration. See PHYS 226 for laboratory associated with this course.

PHYS 210 Discoveries in Physics (6 credits)

Description:

A non-mathematical course in physics specifically designed for students who have had little or no experience in physics. This course traces the fundamental ideas from which modern physics has emerged, and attempts to develop insights into the understanding of natural phenomena.

Component(s):

"Lecture"

Notes:

- Students in programs leading to the BSc degree may not take this course for credit.

PHYS 224 Introductory Experimental Mechanics (1 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PHYS 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This laboratory course covers fundamental experiments in classical mechanics. Experiments include resolution of forces, centrifugal force and conservation of energy, pendulums.

Component(s):

"Laboratory" 10 experiments

Notes:

- Students in programs leading to the BSc degree may not take this course for credit to be applied to their program of concentration.

PHYS 225 Introductory Experimental Electricity (1 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PHYS 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This laboratory course covers fundamental experiments in electricity. Experiments include Kirchhoff's law, resistors in series and parallel, oscilloscope, induction, alternating current.

Component(s):

"Laboratory" 10 experiments

Notes:

- Students in programs leading to the BSc degree may not take this course for credit to be applied to their program of concentration.

PHYS 226 Introductory Experimental Waves and Modern Physics (1 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PHYS 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This laboratory course covers the fundamental experiments in waves and modern physics. Experiments include spectrometer measurements. Newton's rings and measurements involving radioactivity.

Component(s):

"Laboratory" 10 experiments

Notes:

- Students in programs leading to the BSc degree may not take this course for credit to be applied to their program of concentration.

PHYS 230 Experimental Physics I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 204, PHYS 205, PHYS 206, PHYS 224, PHYS 225, PHYS 226; or equivalent. Students must complete nine credits in Physics previously or concurrently. Enrolment in a Physics program is required.

Description:

This course introduces the basic techniques, methods and tools used in experimental physics. Students acquire basic measurement, data analysis and report writing skills through a series of physics experiments, lectures and tutorials. They learn to use electronic instruments, to evaluate the uncertainty of measurements, and to analyze their data with different methods, using proper data analysis software to display and discuss their results correctly through the production of laboratory reports.

Component(s):

"Laboratory"

Notes:

- Students who have received credit for PHYS 291, 293, or 297 may not take this course for credit.

PHYS 232 Methods of Theoretical Physics I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: MAST 218.

Description:

First-order differential equations, linear and separable equations, integrating factors, applications. Second-order linear differential equations. Fundamental solutions, linear independence, Wronskian. Nonhomogeneous equations, general solution, method of undetermined coefficients, variation of parameters, applications. Power-series solutions of differential equations, examples. Systems of first-order linear equations. Review of linear algebra, diagonalization of matrices, eigenvalues.

Component(s):

"Lecture"

PHYS 235 Object-Oriented Programming and Applications (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 203, MATH 204.

Description:

Introduction to problem solving with computers; programming. Basic elements of an object-oriented language; basic data types, objects, expressions, simple programs. Control structures; library functions, one- and two-dimensional arrays. Introduction to mathematics software (Maple and/or Mathematica) and to programming languages (C/C++ and/or Fortran 77). The material is illustrated with simple examples from physics.

Component(s):

"Lecture"

Notes:

- Students may replace this course with COMP 248.
- Students who have received credit for COMP 248 or PHYS 233 may not take this course for credit.

PHYS 236 Numerical Methods in Physics with Python (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 204, MATH 205.

Description:

This course is an introduction to computational physics using Python, assuming no background knowledge in programming. Topics may include basic programming, data analysis and visualization, curve fitting, numerical differentiation and integration, solving systems of linear equations, and solving differential equations. Material is presented in the context of applications in physics, including medical biophysics, fluid mechanics, and optics.

Component(s):

"Lecture"; "Tutorial"

PHYS 245 Classical Mechanics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 204, MATH 205 or equivalent.

Description:

Statics of rigid bodies, work and potential functions, motion in uniform field. Particle motion in an accelerated frame, rotation coordinate systems, motion in a resisting medium, small oscillations, damped (harmonic) motion, motion under central forces, mechanics of a rigid body, dynamics of systems of particles, motion of rigid bodies in three dimensions, elements of Lagrangian mechanics.

Component(s):

"Lecture"

PHYS 252 Optics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 206.

Description:

Wave equation, phasors, EM waves, linear, circular and elliptical polarization, polariscope, Malus' law, dichroism, polaroid, polarizing Prism, quarter and half wave plates, wave superposition, interference, Young's double slit experiment, Michelson interferometer, reflectance and transmittance of thin films, interferometers, dispersion, elements of Fourier analysis, diffraction, single slit diffraction, double slit, Fraunhofer and Fresnel limits, diffraction grating, Fresnel diffraction, instruments, introduction to lasers.

Component(s):

"Lecture"; "Tutorial"

PHYS 253 Electricity and Magnetism I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 205 or equivalent. The following course must be completed previously or concurrently: MAST 218 or equivalent.

Description:

Electrostatics, Gauss' law, electric potential, curl and divergence of fields, capacitance, RC circuits, Laplace's equation, Legendre equation, method of images, multipole expansion, dielectrics, polarization, dipole moments, electric displacement.

Component(s):

"Lecture"; "Tutorial"

PHYS 260 Introductory Biophysics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 201; CHEM 205; MATH 203; PHYS 204, PHYS 205, PHYS 206; or equivalent.

Description:

Cell physiology; macromolecules and molecular devices; transmission of genetic information; random walks, friction and diffusion; Reynolds number; entropy, temperature and free energy; entropic forces; chemical forces; self-assembly; membranes; active transport; nerve impulses. Overview of experimental techniques: X-ray crystallography; atomic force, electron and optical microscopies; patch-clamp techniques.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students who have received credit for this topic under a PHYS 298 number may not take this course for credit.

PHYS 270 Introduction to Energy and Environment (3 credits)

Description:

This course is designed for students who have little or no background in physics. Topics covered include relationship of physics to environment and energy. Concept and definition of work and energy. Interaction of people and inanimate objects with the environment. Heat and chemical energy. Electromagnetic and nuclear energy. Conservation of energy — how it affects everyday life. Sources of energy used on Earth. Solar energy. Production of wind power, water power, solar cells from sun's energy, biological uses, biopower.

Component(s):

"Lecture"

Notes:

- Students in programs leading to the BSc degree may not take this course for credit.

PHYS 273 Energy and Environment (3 credits)

Description:

This course studies energy — a critical resource for civilization — and the impact of energy consumption on societies and the environment. Topics include renewable and non-renewable energy sources, the physics of energy including the second law of thermodynamics and the notion of entropy, energy production and distribution, and social and global environmental issues such as pollution, sustainability, climate change, regulation and the future of energy.

Component(s):

"Lecture"

Notes:

- Students registered in a Physics program may only count this course for credit towards their degree requirements as an out-of-program elective, or towards the completion of an additional program of concentration outside of Physics.

PHYS 284 Introduction to Astronomy (3 credits)

Description:

This course explores current knowledge of the cosmos from the celestial sphere towards the farthest reaches of the universe. The journey begins with a description of planet earth, its place in the solar system, and resulting seasonal changes, tidal movements, and earth's precession. Farther out, the solar system, the planets, star clusters, the Milky Way galaxy, and modern strange systems such as black holes, quasars, and supernovae are explored. The physical, theoretical and experimental grounds for understanding are described including Newton's laws, quantum and relativistic theories of light and matter, the science of visual and microwave telescopes, and techniques for discovering the existence of planets in other solar systems are also described.

Component(s):

"Lecture"

Notes:

- Students registered in a Physics program may only count this course for credit towards their degree requirements as an out-of-program elective, or towards the completion of an additional program of concentration outside of Physics.

PHYS 289 Honours Research Experience I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Honours in Physics program is required. Permission of the Department is required.

Description:

This course is a first supervised research project in Physics or Biophysics. Students work under the supervision of a member of the Faculty on either an experimental, computational, or theoretical research project.The learning outcomes include, but are not limited to, developing the ability to do an overview literature review, develop awareness of methods used to troubleshoot research work progress, develop familiarity with organization and communication of research results, understand the importance of collaborative and ethical research, make a targeted research contribution on a current research project. A formal, written report is required.

Component(s):

"Research"

Notes:

- This course is intended as an elective physics course for honours students doing research in the Department.

PHYS 292 Experimental Mechanics II (1 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 230.

Description:

A laboratory course in mechanics. Experiments include the use of air tracks to study acceleration, collisions, dissipative forces, and periodic motion. Other experiments include viscosity and surface tension of liquids.

Component(s):

"Laboratory"

PHYS 294 Experimental Electricity and Magnetism II (1 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 230.

Description:

A laboratory course in electricity and magnetism. Experiments include the transistor, amplification and frequency response, transient response and negative feedback, positive feedback and oscillation, periodic structures.

Component(s):

"Laboratory"

PHYS 295 Experimental Electronics I (2 credits)

Description:

A practical laboratory course in electronics. Experiments include resistors in series and parallel, voltameter, Ohm's law, Kirchhoff's current and voltage laws, Ohmmeter, capacitor, inductor, transformer, rectifiers, voltage doubler, zener diode, power supplies.

Component(s):

"Laboratory"

Notes:

- Students who have received credit for PHYS 290 may not take this course for credit.

PHYS 296 Experimental Electronics II (2 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 295.

Description:

A practical laboratory course in electronics. Experiments include oscilloscope, biasing of bipolar transistors, transistor amplifiers, voltage and current regulators, field-effect transistor, oscillators, operational amplifier circuits, audio amplifier, I-F transformer, limiter, amplitude and frequency modulation.

Component(s):

"Laboratory"

Notes:

- Students who have received credit for PHYS 290 may not take this course for credit.

PHYS 298 Selected Topics in Physics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PHYS 299 Selected Topics in Physics (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PHYS 330 Experimental Physics II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 230.

Description:

This course builds on the competencies developed in Experimental Physics I, introducing various physics experiments that require a higher level of experimental skills and deeper insight into how an experiment should be conducted. The data analysis required by these experiments is more involved than that of Experimental Physics I. Students develop their scientific communication skills through the production of reports and an oral presentation.

Component(s):

"Laboratory"

PHYS 334 Thermodynamics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 204 or equivalent; MAST 218 or equivalent. The following courses must be completed previously or concurrently: MAST 219.

Description:

Equation of state, ideal and real gases, thermodynamic surfaces, first law of thermodynamics, isothermal and adiabatic processes, the energy equation, liquefaction of gases, Carnot engine, second law of thermodynamics, entropy, third law, thermodynamic potentials, Clausius-Clapeyron equation, kinetic theory, equipartition of energy, Van der Waals' equation, transport phenomena, probability and thermal distributions.

Component(s):

"Lecture"

Notes:

- See PHYS 393 for laboratory associated with this course.

PHYS 335 Methods of Theoretical Physics II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 232 or equivalent. The following course must be completed previously or concurrently: MAST 219.

Description:

Function of a complex variable, Fourier series, applications to a vibrating string, heat conduction, Fourier transform, Laplace transform, application to differential equations, delta functions, eigenvalue problems.

Component(s):

"Lecture"

PHYS 345 Advanced Classical Mechanics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 232 or equivalent; PHYS 245 or equivalent; MAST 219.

Description:

Survey of Newtonian mechanics; D'Alembert's principle and Lagrangian formulation; variational formulation and Hamilton's principle. Hamiltonian formulation, canonical transformations, Poisson brackets (connection to quantum mechanics); central force motion; planetary motion; scattering in a central field, dynamics of rigid bodies; Euler's equations; Hamilton-Jacobi theory, applications. Introduction to non-linear mechanics.

Component(s):

"Lecture"

PHYS 354 Electricity and Magnetism II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 253 or equivalent. The following course must be completed previously or concurrently: MAST 219 or equivalent.

Description:

Biot-Savart Law, Ampere's law, divergence and curl of B, magnetic vector potential, magnetization, ferromagnetism, electromagnetic induction, motional EMF, inductance, transformer, ac-circuits, Maxwell's equations, the wave equation, polarization, reflection and transmission of em waves, rectangular wave guide, half-wave antenna.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PHYS 254 may not take this course for credit.

PHYS 355 Electronics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 205.

Description:

Basic circuit analysis, network theorems, maximum power transfer, diode characteristics and circuits, power supply designs, transistor characteristics, incremental equivalent circuits, input and output impedance calculations, emitter follower and Darlington amplifiers, power amplifiers, dc stabilization and negative feedback, operational amplifiers, phase detection, frequency multiplier and special circuits.

Component(s):

"Lecture"

PHYS 367 Modern Physics and Relativity (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 205, PHYS 206 or equivalent.

Description:

This course covers basics of special relativity and some aspects of modern physics up to quantum mechanics. It covers Lorentz transformations, space-time and four-tensors, Minkowski map of space-time, four-velocity and four-acceleration, four-momentum, equivalence of mass and energy, angular momentum, three- and four-force as well as formal structure of Maxwell's theory, transformation of E and B and electromagnetic energy tensor. The course also offers details on atomic

structure such as orbital magnetization and the normal Zeeman effect, electron spin, spin-orbit interaction and other magnetic effects, exchange symmetry and the exclusion principle, electron interactions and screening effects, X-ray spectra and Mosley's law and the periodic table.

Component(s):

"Lecture"; "Tutorial"

PHYS 370 Nonlinear Dynamics/Chaos/Fractals (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 232 or equivalent.

Description:

One-dimensional flows and maps, bifurcations, two-dimensional flows and maps, phase plane and limit cycles. Lorenz equations, strange attractors, chaos and nonlinearity, deterministic chaos, period doubling, experimental manifestations. Fractals, fractal dimension, examples of chaos and of fractals. Applications in physics, biology, chemistry, and engineering.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHYS 498 number may not take this course for credit.

PHYS 377 Quantum Mechanics I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 206.

Description:

This course covers the basics of quantum mechanics, including Schrödinger equation, probabilistic interpretation of the wavefunction, normalization, expectation values, the uncertainty principle, stationary states, solutions of Schrödinger's equation for simple 1D potentials, the scattering matrix, vector spaces, postulates of quantum mechanics, operators and eigenvectors, compatible observables, the uncertainty relations, time-evolution of states, Ehrenfest's equations, time-independent perturbation theory, hydrogen atom, angular momentum, spin, addition of angular momenta.

Component(s):

"Lecture"; "Tutorial"

PHYS 385 Astrophysics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 284.

Description:

The stars, stellar atmospheres, motion, interiors, and populations. Variable stars. Nebulae. Radio, X-ray, and infrared sources. The galaxy — population and dynamics. The extragalactic universe.

Component(s):

"Lecture"

PHYS 389 Honours Research Experience II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 289. Enrolment in the Honours in Physics program is required. Permission of the Department is required.

Description:

This course is a second supervised research project in Physics or Biophysics. Students work under the supervision of a member of the Faculty on either an experimental, computational, or theoretical research project. The learning outcomes include, but are not limited to, developing the ability to conduct a detailed literature review, develop productive methods to troubleshoot research work progress, learn to organize and communicate research results at an intermediate level, develop the ability to work collaboratively and ethically, and make a targeted, but substantive, research contribution on a current research project. A formal, written report is required.

Component(s):

"Research"

Notes:

- This course is intended as an elective physics course for honours students doing research in the Department.

PHYS 390 Applied Electronics for Scientists (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 355 or equivalent.

Description:

This course introduces students to hands-on design, assembly, analysis, and testing of electronic control and measurement circuits for modern laboratory experiments. Topics may include linear components, filters, transistors, semiconductor devices, operational amplifiers, integrated circuits, networks, ADCs/DACs, and microcontrollers/microprocessors (Arduino/Raspberry Pi).

Component(s):

"Laboratory"

PHYS 392 Experimental Medical Electronics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 296 or PHYS 330, or equivalent.

Description:

A laboratory course in the maintenance and use of medical instruments, including ECG monitor, electrocardiograph, cardio-tachometer, blood-pressure recorder, respiration-rate recorder, and clinical thermometer. The component parts of the instruments are studied first, and then the instruments are constructed and tested.

Component(s):

"Laboratory"

PHYS 393 Experimental Thermodynamics (1 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: PHYS 334.

Description:

A laboratory course in thermodynamics. Experiments include Clement and Desormes' experiment, vaporization, specific heats, liquid nitrogen boiling. 10 experiments.

Component(s):

"Laboratory" 10 experiments

Notes:

- Students who have received credit for PHYS 494 may not take this course for credit.

PHYS 398 Selected Topics in Physics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PHYS 399 Selected Topics in Physics (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PHYS 435 Statistical Physics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 334, PHYS 367.

Description:

This course focuses on statistical ensembles (micro, macro, and grand canonical); introduces Maxwell-Boltzmann, Fermi-Dirac, and Bose-Einstein distributions for the microstates and their applications, and formulates a statistical treatment of the laws of thermodynamics. These concepts are applied to classical problems like black-body radiation, thermodynamics of

free elections, and phase transitions involving ferromagnetism and the Ising model. This course also covers fluctuations and Onsager relations, Nyquist's theorem, Brownian motion and the diffusion equation, and selected topics on transport.

Component(s):

"Lecture"

PHYS 436 Methods of Theoretical Physics III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 335 or equivalent.

Description:

Partial differential equations, eigenfunction expansion and finite transforms, Laplace, Poisson, wave and diffusion equations, applications, special functions, boundary value problems, Sturm-Liouville theory, Bessel functions, Legendre and Hermite polynomials, spherical harmonics, Green's function and applications, perturbation theory, variational theory.

Component(s):

"Lecture"

PHYS 440 Computational Methods in Physics with Python (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 236, PHYS 335, PHYS 377.

Description:

This course presents advanced computational physics techniques using Python. Topics may include Bayesian inference, information theory, regression, Monte-Carlo methods, neural networks, machine learning, and molecular dynamics with a focus on computational solution of advanced problems in biophysics, electrodynamics, and quantum mechanics.

Component(s):

"Lecture"

PHYS 443 Quantitative Human Systems Physiology (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in a Science or Engineering program with a minimum of 45 university credits (not including Cegep-level science prerequisites). If prerequisites are not satisfied, permission of the instructor is required.

Description:

This course addresses important concepts of quantitative systems physiology and the physical bases of physiological function in different organ systems. Students become familiar with the structure and functional principles of the main physiological systems, and how to quantify them. These include the nervous, cardiovascular, respiratory and muscular systems. Important biophysical principles and quantitative physiological methods are presented. These include biophysics of muscle contractions, fluid dynamics in the cardiovascular system, respiration gas exchange and neuronal communication, and how the biophysics of neuronal communications can be used to image brain activity.

Component(s):

"Lecture"

PHYS 445 Principles of Medical Imaging (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in a Science or Engineering program with a minimum of 45 university credits (not including Cegep-level science prerequisites). If prerequisites are not satisfied, permission of the instructor is required.

Description:

This course introduces the physical principles associated with important medical imaging techniques used in medicine and in neuroscience research. The objective is to cover the whole imaging process in detail starting from the body entities to be imaged (e.g. structure, function, blood flow, neuronal activity), extending to the physical principles of data acquisition and finally the methods used for image data reconstruction. Imaging modalities presented may include X-Ray and Computer Tomography, Magnetic Resonance Imaging, nuclear medicine, ultrasound, electrophysiology and optical imaging techniques.

Component(s):

"Lecture"

PHYS 458 Advanced Electrodynamics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 354, PHYS 436.

Description:

Electrostatic boundary-value problem and Green's function, Maxwell's equation, energy-momentum tensor, guided waves, dielectric wave guides, fibre optics, radiation static field, multipole radiation, velocity and acceleration field, Larmor's formula, relativistic generalization, radiating systems, linear antenna, aperture in wave guide, Thomson scattering, bremsstrahlung, Abraham-Lorentz equation, Breit-Wigner formula, Green's function for Helmholtz's equation, Noether's theorem.

Component(s):

"Lecture"; "Reading"

PHYS 459 Condensed Matter Physics I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PHYS 377.

Description:

In this course, students are introduced to the quantum theory of solids and their properties. The electronic properties of solids are explored, including the Drude and Sommerfeld theories of metals, crystal lattices, reciprocal lattice, electron levels in periodic potentials, band theory, Fermi surface, tight-binding method, semi-classical model of electron dynamics in metals, and relaxation-time approximation. Other concepts covered include the vibrations of crystals (phonons), heat

conductivity, homogeneous semiconductors (p-n junctions). Selected topics may include magnetism, magneto-transport, or the role of topology in solids.

Component(s):

"Lecture"

PHYS 460 Chemical Aspects of Biophysics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 253. The following course must be completed previously or concurrently: PHYS 334.

Description:

Stabilizing protein structures; bonding and nonbonding interactions; energy profiles; Ramachandran plot; stabilization through protonation-deprotonation. Interaction of macromolecules with solvents. Thermodynamics of protein folding. Ligand binding, Marcus-theory of biological electron transfer. Examples of modern biophysical techniques: electronic spectroscopies (absorption, fluorescence), X-ray absorption spectroscopy, NMR and EPR spectroscopy, IR and Raman spectroscopy, circular dicroism, differential scanning calorimetry.

Component(s):

"Lecture"

Notes:

- Students enrolled in a BSc Honours in Biochemistry or Specialization in Biochemistry may not take this course for credit.

PHYS 461 Membrane Biophysics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 266; PHYS 460.

Description:

Fluid dynamics; composition of natural membranes; selection criteria for artificial membranes; phases and phase transitions of lipids; lipid-protein interactions; transport mechanisms across membranes; facilitated diffusion, Michaelis-Menten equation, ion channels, active transport against a concentration gradient, ATPase; origin of membrane potentials; electrogenic ion pumps; experimental methods to measure membrane potentials (patch clamp, optical, radioactive); resting and action potentials.

PHYS 462 Bioenergetics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 460, PHYS 461.

Description:

Chemiosmotic energy transduction, ion transport across energy conserving membranes, quantitative bioenergetics: measurement of driving forces. Chemiosmotic proton circuit, respiratory chains, photosynthesis, photosynthetic generators of protonmotive force, coupling between biological electron and proton transfer reactions, ATP synthase, metabolite and ion transport, mitochondria in the cell.

PHYS 463 Optical Spectroscopy with Biophysics Applications (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 377.

Description:

Beer-Lambert Law, absorption; fluorescence; pump-probe; photon echo, IR and Raman spectroscopies; linear and circular dichroism; single molecule spectroscopy; spectral hole burning and fluorescence line narrowing. Relevant concepts of quantum mechanics (time-dependent and time-independent Schrödinger equation, spatial wavefunctions, transitions between states and time-dependent perturbation theory, lifetimes and uncertainty principle). Atomic and molecular orbitals. Some concepts related to symmetry and group theory. Resonance energy transfer. Optical properties of molecular aggregates.

PHYS 468 Condensed Matter Physics II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 459. The following course must be completed previously or concurrently: PHYS 478.

Description:

This course offers an introduction to the problem of many-electron interactions by introducing second-quantization notation and mean-field theory as an approximation to solve complex many-body problems. Quantum phases like magnets and superconductors are studied using mean-field theory along with associated phase transitions. The course also introduces the semi-classical and quantum theory of transport in quantum systems (Boltzmann's and Landauer's equations). Selected topics may include collective excitations, 2D Dirac materials, or integer and fractional quantum Hall effects.

Component(s):

"Lecture"

PHYS 470 Nonlinear Waves (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 335.

Description:

Linear stability analysis and limitations, modulated waves and nonlinear dispersion relations. Korteweg-de Vries, sine-Gordon, and nonlinear Schrödinger equations. Hydro-dynamic, transmission-line, mechanical, lattice, and optical solitons. Applications in optical fibres, Josephson junction arrays. Inverse scattering method, conservation laws.

PHYS 478 Quantum Mechanics II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 377.

Description:

This course covers intermediate quantum mechanics topics including particle states, classification of symmetry, parity, solutions of Schrödinger's equation, WKB approximation, variational method, time-independent and time-dependent perturbation theory, systems of particles, interacting particles, identical particles and Pauli exclusion principle, fine and hyperfine structure, the hydrogen atom, angular momentum as well as spin and Pauli spin matrices, Dirac equation.

Component(s):

"Lecture"

PHYS 480 Directed Readings in Theoretical Physics (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

A course for advanced students in which a special topic, selected in consultation with a faculty member, is studied in depth.

PHYS 488 Lasers and Fibre-optics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 252, PHYS 354.

Description:

Semiconductor physics, semiconductor sources, detectors, waveguides and fibres, optical communications, assorted topics in electro-optics.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PHYS 498 number may not take this course for credit.

PHYS 491 Experimental Microprocessor Interfacing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 390.

Description:

Address decoding, multiplexing, and demultiplexing with TTL integrated circuits. Address decoding circuits, drivers, and receivers. Parallel, serial and non-TTL I/O. Breadboarding, wire-wrapping, and soldering techniques. The use of oscilloscopes, logic probes, and computers for circuit trouble-shooting. Drawing schematic diagrams. Timing diagrams. Data sheets.

Component(s):

"Laboratory"

PHYS 494 Methods of Experimental Physics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 330. If prerequisites are not satisfied, permission of the Department is required.

Description:

A supervised research project which may include experiments in nuclear physics, laser and fibre-optics, solid state physics, ultrasonics, or thermal physics. A technical report is required.

PHYS 495 Experimental Nuclear Physics (1 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 330.

Description:

A laboratory course in nuclear physics. Experiments include gamma- and beta-ray spectroscopy, nuclear magnetic resonance, half-life determination, nuclear activities.

Component(s):

"Laboratory" 10 experiments

PHYS 496 Honours Research Project (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 330. Enrolment in the Honours in Physics is required. Students must have completed 45 credits in Physics prior to enrolling. Permission of the Department is required.

Description:

A research project for honours students that is carried out on a special topic in physics, biophysics, or applied physics under the supervision of a faculty member.

Component(s):

"Research"

PHYS 497 Specialization Research Project (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 330. Enrolment in the Specialization in Physics is required. Students must have completed 45 credits in Physics prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This is an independent studies course for advanced specialization students in which a special topic in physics, biophysics, or applied physics is studied under the supervision of a faculty member. The student is required to write a report and give a brief presentation.

Component(s):

"Research"

PHYS 498 Advanced Topics in Physics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PHYS 499 Advanced Topics in Physics (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.240 Department of Political Science

Department of Political Science

Political Science Programs
- Political Science Program Notes
- **Human Rights Studies**
  - Minor in Human Rights Studies
- **Political Science**
  - BA Honours in Political Science
  - BA Honours (Thesis) in Political Science
  - BA Major in Political Science
  - Minor in Political Science
  - Core Program: Political Science
  - Political Science Course Groups

Political Science Co-operative Program

Department of Political Science Courses

Department of Political Science

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/polisci.html

Department Objectives

The Department of Political Science offers a wide range of courses and programs to acquaint students with the living complexity of contemporary government and politics. The curriculum provides the theoretical foundations, analytical skills, and research methods for understanding the construction of government policy as well as the underlying nature and purpose of political processes and institutions. The aim is to prepare well-rounded, concerned citizens for careers in the public service and the private sector, or for graduate or law school.

Political Science Program Notes

The Department of Political Science offers the following programs of study: an honours, a major, and a minor.

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- The program of courses leading to a Minor in Political Science consists of 24 credits in the Department. The minor is designed to provide an opportunity for students to make a combination with a specialization, a major, or honours in another discipline. A student's minor will be arranged in consultation with the Department of Political Science so that it relates to courses in the major area of study.

Minor in Human Rights Studies

Program Requirements

Minor in Human Rights Studies (24 credits)

6 credits:

- PHIL 241 Philosophy of Human Rights (3.00)
- POLI 214 Human Rights: An Overview (3.00)

18 credits chosen from:

- ANTH 380 Contemporary Issues in Human Rights (3.00)
- ENGL 369 African-American Literature (3.00)
- ENGL 380 Indigenous Literatures (3.00)
- ENGL 382 Literature of Migration and Diaspora (3.00)
- ENGL 383 African Literatures (3.00)
- ENGL 387 South Asian Literature (3.00)
- FPST 321 First Peoples and Justice (3.00)
- GEOG 407 Indigenous Peoples and the Environment (3.00)
- HIST 315 Rights and Freedoms in Canadian Society (3.00)
- HIST 359 The History and Sociology of Genocide to 1945 (3.00)
- HIST 360 The History and Sociology of Genocide from 1945 to the Present (3.00)
- HIST 477 Advanced Study in the History of Human Rights and Justice (3.00)
- JOUR 442 International Journalism (3.00)
- LOYC 240 Global Environmental Issues and Ecological Justice (3.00)
- PHIL 232 Introduction to Ethics (3.00)
- PHIL 342 Political Philosophy (3.00)
- PHIL 343 Philosophy of Law: General Jurisprudence (3.00)
- PHIL 345 Legal Philosophy: Legal Rights and Duties (3.00)
- POLI 208 Global Environmental Issues and Ecological Justice (3.00)
- POLI 301 Social Movements and Protest Politics (3.00)
- POLI 324 Parliament and the Charter (3.00)
- POLI 328 Public Policy and the Politics of Equality (3.00)
- POLI 388 Human Rights and International Justice (3.00)

- POLI 389 Religion and Politics (3.00)
- POLI 407 Parliamentary Bills of Rights (3.00)
- POLI 439 International Human Rights Institutions (3.00)
- RELI 310 Self and Other: Identity and Ethical Development (3.00)
- RELI 312 Justice and Social Conflict in a Globalized World (3.00)
- SOCI 367 The History and Sociology of Genocide from 1945 to the Present (3.00)
- SOCI 380 Contemporary Issues in Human Rights (3.00)
- THEO 343 Religion and Politics (3.00)
- WSDB 381 Indigenous Women and Feminisms (3.00)
- WSDB 385 Introduction to Trans Studies (3.00)
- WSDB 386 Framing the Prostitute (3.00)
- WSDB 390 Feminist Perspectives on Peace (3.00)

Note: The following courses are cross-listed:

HIST 360 and SOCI 367

LOYC 240 and POLI 208

POLI 389 and THEO 343

ANTH 380 and SOCI 380

Notes

- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.
- Students are responsible for satisfying their particular degree requirements.

BA Honours in Political Science

Program Requirements

Honours in Political Science (60 credits)

12 credits from Core Program: Political Science

6 credits chosen from:

- POLI 306 Classical Political Thought (3.00)
- POLI 345 Contemporary Political Philosophy (3.00)
- POLI 364 Hellenistic, Roman, Medieval Political Philosophy (3.00)
- POLI 371 Early Modern Political Philosophy (3.00)
- POLI 373 Late Modern Political Philosophy (3.00)
- POLI 384 Principles of Political Theory (3.00)

6 credits chosen from:

- POLI 390 Critical Perspectives on Modern Political Science (3.00)
- POLI 392 Approaches to Social Science Inquiry (3.00)
- POLI 393 Quantitative Research Methods (3.00)

33 credits of Political Science courses at the 300 or 400 level with a minimum of 12 credits at the 400 level, chosen from at least three of the following five groups:

Group 1: International Politics, Group 2: Comparative Politics, Group 3: Canadian and Quebec Politics, Group 4: Public Policy and Administration, Group 5: Political Theory

3 credits:

- POLI 496 Honours Seminar (3.00)

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Honours (Thesis) in Political Science

Program Requirements

Honours (Thesis) in Political Science (60 credits)

12 credits from Core Program: Political Science

6 credits chosen from:

- POLI 306 Classical Political Thought (3.00)
- POLI 345 Contemporary Political Philosophy (3.00)
- POLI 364 Hellenistic, Roman, Medieval Political Philosophy (3.00)
- POLI 371 Early Modern Political Philosophy (3.00)
- POLI 373 Late Modern Political Philosophy (3.00)
- POLI 384 Principles of Political Theory (3.00)

6 credits chosen from:

- POLI 390 Critical Perspectives on Modern Political Science (3.00)
- POLI 392 Approaches to Social Science Inquiry (3.00)
- POLI 393 Quantitative Research Methods (3.00)

3 credits:

- POLI 396 Honours Tutorial (3.00)

24 credits of Political Science courses at the 300 or 400 level with a minimum of nine credits at the 400 level, chosen from at least three of the following five groups:

Group 1: International Politics, Group 2: Comparative Politics, Group 3: Canadian and Quebec Politics, Group 4: Public Policy and Administration, Group 5: Political Theory

6 credits:

- POLI 495 Honours Thesis (6.00)

3 credits:

- POLI 496 Honours Seminar (3.00)

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Political Science

Program Requirements

Major in Political Science (42 credits)

12 credits from Core Program: Political Science

30 credits of Political Science courses at the 300 or 400 level, with a minimum of six credits at the 400 level, chosen from at least three of the following five groups:

Group 1: International Politics, Group 2: Comparative Politics, Group 3: Canadian and Quebec Politics, Group 4: Public Policy and Administration, Group 5: Political Theory

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Political Science

Program Requirements

Minor in Political Science (24 credits)

12 credits from Core Program: Political Science

12 credits of Political Science Courses with a minimum of nine credits at the 300 or 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

Core Program: Political Science

Core Program: Political Science (12 credits)

12 credits:

- POLI 203 Introduction to Comparative Politics (3.00)
- POLI 204 Introduction to Canadian Politics (3.00)
- POLI 205 Introduction to International Relations (3.00)
- POLI 206 Introduction to Western Political Theory (3.00)

Political Science Honours and Major students should normally complete the 12-credit core program in their first year of full-time equivalent studies. Mature Entry Program (MEP) and Extended Credit Program (ECP) students must consult an academic advisor regarding the completion of the 12-credit core.

Notes

- Political Science Honours and Major students should normally complete the 12-credit core program in their first year of full-time equivalent studies. Mature Entry Program (MEP) and Extended Credit Program (ECP) students must consult an academic advisor regarding the completion of the 12-credit core.

Political Science Course Groups

Group 1: International Politics

- POLI 301 Social Movements and Protest Politics (3.00)
- POLI 302 Causes of War (3.00)
- POLI 303 Chinese Security Politics (3.00)
- POLI 304 Theories of Foreign Policy Making (3.00)
- POLI 305 International Political Economy (3.00)
- POLI 311 International Public Law (3.00)
- POLI 312 Special Topics in International Politics (3.00)
- POLI 315 International Organizations (3.00)
- POLI 318 Introduction to Strategic Studies (3.00)
- POLI 329 American Foreign Policy (3.00)
- POLI 332 Theories of International Relations (3.00)
- POLI 369 Nuclear Strategy (3.00)
- POLI 388 Human Rights and International Justice (3.00)
- POLI 391 Middle East and Global Conflict (3.00)
- POLI 394 Globalization and Sustainable Development (3.00)
- POLI 400 Advanced Seminar in International Relations Theory (3.00)
- POLI 402 Advanced International Political Economy (3.00)
- POLI 403 Global Ecopolitical Analysis (3.00)
- POLI 404 International Institutions (3.00)
- POLI 420 Politics of Conservation (3.00)
- POLI 421 Transnational Politics (3.00)
- POLI 422 Canadian Foreign Policy (3.00)
- POLI 423 Peace Studies and Global Governance (3.00)
- POLI 439 International Human Rights Institutions (3.00)
- POLI 444 Politics of International Development (3.00)
- POLI 451 Directed Studies in International Politics (3.00)
- POLI 486 Advanced Seminar in International Relations (3.00)

Group 2: Comparative Politics

- POLI 301 Social Movements and Protest Politics (3.00)
- POLI 307 The U.S. Presidency (3.00)
- POLI 308 Politics of Emerging Economies (3.00)
- POLI 310 Politics of the U.S (3.00)
- POLI 313 Special Topics in Comparative Politics (3.00)
- POLI 319 European Politics and Government (3.00)
- POLI 320 Development of Western Legal Systems (3.00)
- POLI 322 Israeli Political System (3.00)
- POLI 323 Politics of Eastern Europe (3.00)
- POLI 327 Comparative Democratization (3.00)
- POLI 331 Comparative Party Systems (3.00)
- POLI 335 Politics of the People's Republic of China (3.00)
- POLI 347 Urban Politics in Latin America (3.00)
- POLI 352 Comparative Urban Politics and Government (3.00)
- POLI 366 Politics of Africa (3.00)
- POLI 376 Politics of Northern Ireland (3.00)
- POLI 379 Politics of Latin America (3.00)
- POLI 387 Islamic Law and Society (3.00)
- POLI 395 Politics of the Middle East (3.00)
- POLI 405 Comparative Electoral Systems (3.00)
- POLI 406 Comparative Federalism and Political Integration (3.00)
- POLI 410 Environmental Policy in the Developing World (3.00)
- POLI 412 Comparative Social Policy (3.00)
- POLI 424 Corruption (3.00)
- POLI 429 Political Socialization in Canadian and Comparative Perspective (3.00)
- POLI 431 State-Society Relations in China (3.00)
- POLI 434 Politics of Violence in Latin America (3.00)
- POLI 435 Advanced Seminar in U.S. Politics (3.00)
- POLI 436 State and Society in the Middle East (3.00)
- POLI 437 Special Issues in African Development (3.00)
- POLI 438 Decentralization and Development (3.00)
- POLI 445 Scandinavian Politics (3.00)
- POLI 452 Directed Studies in Comparative Politics (3.00)

- POLI 481 Advanced Seminar in European Politics (3.00)
- POLI 483 State and Society in Latin America (3.00)
- POLI 484 Post-Communist Democracies (3.00)
- POLI 485 Issues in Development and Democracy (3.00)
- POLI 487 Advanced Seminar in Comparative Politics (3.00)

Group 3: Canadian and Quebec Politics

- POLI 309 Women and Politics in Canada (3.00)
- POLI 314 Special Topics in Canadian and Quebec Politics (3.00)
- POLI 321 Canadian and Quebec Law (3.00)
- POLI 324 Parliament and the Charter (3.00)
- POLI 325 Administrative Law (3.00)
- POLI 334 Political Participation in Canada (3.00)
- POLI 339 Quebec Politics and Society/La vie politique québécoise (3.00)
- POLI 340 Canadian Political Culture (3.00)
- POLI 341 Provincial and Territorial Politics (3.00)
- POLI 351 Canadian Federalism (3.00)
- POLI 354 Immigration in Quebec and Canada (3.00)
- POLI 356 Canadian Political Parties (3.00)
- POLI 363 Issues in Canadian Public Policy (3.00)
- POLI 365 Canadian Public Administration (3.00)
- POLI 367 Quebec Public Administration (3.00)
- POLI 407 Parliamentary Bills of Rights (3.00)
- POLI 408 Public Opinion and Public Policy (3.00)
- POLI 409 Canada: State-Society Relations (3.00)
- POLI 428 Constitutional Politics in Canada (3.00)
- POLI 429 Political Socialization in Canadian and Comparative Perspective (3.00)
- POLI 453 Directed Studies in Canadian and Quebec Politics (3.00)
- POLI 488 Advanced Seminar in Canadian and Quebec Politics (3.00)

Group 4: Public Policy and Administration

- POLI 300 Not-for-Profit Organizations and the Law (3.00)
- POLI 316 Special Topics in Public Policy and Administration (3.00)
- POLI 320 Development of Western Legal Systems (3.00)
- POLI 325 Administrative Law (3.00)
- POLI 328 Public Policy and the Politics of Equality (3.00)
- POLI 330 Principles of Public Administration (3.00)
- POLI 349 Political and Social Theory and the City (3.00)
- POLI 352 Comparative Urban Politics and Government (3.00)
- POLI 353 Principles of Public Policy (3.00)
- POLI 354 Immigration in Quebec and Canada (3.00)
- POLI 361 Advocacy Groups and Public Policy (3.00)
- POLI 363 Issues in Canadian Public Policy (3.00)
- POLI 365 Canadian Public Administration (3.00)
- POLI 367 Quebec Public Administration (3.00)
- POLI 410 Environmental Policy in the Developing World (3.00)
- POLI 411 Gender and Public Policy (3.00)
- POLI 412 Comparative Social Policy (3.00)
- POLI 438 Decentralization and Development (3.00)
- POLI 454 Directed Studies in Public Policy and Administration (3.00)
- POLI 463 Government and Business in Canada (3.00)
- POLI 489 Advanced Seminar in Public Policy and Administration (3.00)

Group 5: Political Theory

- POLI 306 Classical Political Thought (3.00)
- POLI 317 Special Topics in Political Theory (3.00)
- POLI 345 Contemporary Political Philosophy (3.00)
- POLI 349 Political and Social Theory and the City (3.00)
- POLI 364 Hellenistic, Roman, Medieval Political Philosophy (3.00)
- POLI 368 Media, Technology and Politics (3.00)
- POLI 371 Early Modern Political Philosophy (3.00)
- POLI 373 Late Modern Political Philosophy (3.00)
- POLI 384 Principles of Political Theory (3.00)

- POLI 386 Contemporary Liberalism and Its Critics (3.00)
- POLI 389 Religion and Politics (3.00)
- POLI 401 American Political Thought (3.00)
- POLI 414 Authors of Political Imagination (3.00)
- POLI 415 Modern Political Theory and Religion (3.00)
- POLI 416 Ancient Political Texts (3.00)
- POLI 417 Governance (3.00)
- POLI 418 Machiavelli (3.00)
- POLI 425 Foundations of Liberalism (3.00)
- POLI 426 Nietzsche (3.00)
- POLI 427 Political Thought of the Enlightenment (3.00)
- POLI 433 Critics of Modernity (3.00)
- POLI 440 Literature and Politics (3.00)
- POLI 455 Directed Studies in Political Theory (3.00)
- POLI 490 Advanced Seminar in Political Theory (3.00)

Political Science Co-operative Program

The Co-op Program

The Political Science co-operative program is offered to all full-time students enrolled in the major and honours programs in the Department who meet the academic requirements for co-op. Students interested in applying for the Political Science co-op should refer to Institute for Co-operative Education where a full description of the admission requirements is provided.

Academic content is identical to that of the regular programs, with some specific recommendations for courses to improve the students' job skills. While most of the positions are in the Montreal area, students must be prepared to work in other parts of Canada.

Students are supervised personally and must meet the requirements specified by the Faculty of Arts and Science and the Institute for Co-operative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers, and the Institute for Co-operative Education is provided by the Political Science co-op academic director and the co-op program coordinator.

Please refer to Institute for Co-operative Education for additional information.

C.Edge (Career Edge)

The Political Science C.Edge option is offered through the Institute for Co-operative Education. Like the co-operative program, C.Edge allows students to gain practical experience through work terms related to their field of study. It is limited to one or two work terms, normally in the summer. Students interested in applying for the C.Edge option should refer to Institute for Co-operative Education where a full description is provided.

Department of Political Science Courses

Notes

- Courses at the 200 and 300 level are open to all students in other departments and Faculties.
- Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits.

POLI 203 Introduction to Comparative Politics (3 credits)

Description:

This course introduces students to the main concepts of comparative political analysis. Major topics include different types of governmental systems and institutions, regime types, electoral systems and political parties, state-society relations, political economy, nationalism, democratization, globalization, and other types of political transformations. By examining several different countries, students gain an understanding of the great diversity of political life and the many ways in which politics affects citizens.

Component(s):

"Lecture"

POLI 204 Introduction to Canadian Politics (3 credits)

Description:

This course is a basic introduction to the fundamental issues of Canadian public life and the federal political system. It presents an overview of the constitution, institutions, political parties, electoral system, interest groups, and public opinion that represent the essential components of Canada's political culture and government.

Component(s):

"Lecture"

POLI 205 Introduction to International Relations (3 credits)

Description:

This course introduces the principal theories, concepts, and debates in the contemporary study of international relations. It provides an overview of issues in international security, international political economy and global governance.

Component(s):

"Lecture"

POLI 206 Introduction to Western Political Theory (3 credits)

Description:

This course introduces students to the study of Western political theory through a variety of primary source readings. Assigned texts may be drawn from philosophy, history, literature and other forms of political writing.

Component(s):

"Lecture"

POLI 208 Global Environmental Issues and Ecological Justice (3 credits)

(also listed as LOYC 240)

Description:

This course introduces students to collective action problems faced by governments, international organizations, corporations, advocacy groups, and scientists. Topics may include climate change, biodiversity conservation, hazardous waste disposal, water and food security.

Component(s):

"Lecture"

Notes:

- Students who have received credit for LOYC 240 or POLI 394, or for this topic under a POLI 298 number, may not take this course for credit.

POLI 209 Public Security and Terrorism (3 credits)

Description:

This course provides an overview of modern terrorism and its evolution, focusing on terrorist movements, groups, and incidents in many parts of the world over time. Students gain an understanding of the theory behind terrorism, its roots, goals, and ideologies, as well as its relation to governments, the media, and the public.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 298 number may not take this course for credit.

POLI 214 Human Rights: An Overview (3 credits)

Description:

This course introduces students to the historical origins of the concept of human rights; the international regime and the acceptance of several generations of rights such as civil and political rights, economic rights, group rights, and women's rights; the critiques of universalism and the problems of implementation of human rights.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 298 number may not take this course for credit.

POLI 298 Selected Topics in Political Science (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

POLI 300 Not-for-Profit Organizations and the Law (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to the legal regimes affecting not-for- profit organizations (NPO). The course covers the legal structures, rules and procedures that govern NPOs, the vast diversity of NPOs, and practical questions such as how to set up an NPO.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 316 number may not take this course for credit.

POLI 301 Social Movements and Protest Politics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203 or POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the ideas, organization, and actions of such social movements as environmentalism, peace, human rights, labour, feminism, and antiglobalization. Theories of social movement mobilization, influence across national contexts, and the politics of protest are given particular attention.

Component(s):

"Lecture"

POLI 302 Causes of War (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the causes of war and peace in the international system. It studies the impact on war and peace of such influences as cognitive psychology, identity, group decision-making, bureaucratic processes, regime types, conflict spirals, arms control, arms races, balance of power, hegemonic stability theory, trade interdependence, environment and non-renewable resources, and international institutions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 298 number may not take this course for credit.

POLI 303 Chinese Security Politics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the rise of China as a major power, and in particular the implications this has for military aspects of China's relations. China's security policy is examined from a theoretical, historical, political, and economic perspective, and the implications of these are examined in the cases of its foreign relations with neighbours and other great powers.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 313 number may not take this course for credit.

POLI 304 Theories of Foreign Policy Making (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the major international and domestic determinants of foreign policy. Principal topics include the influence on foreign policy of the international system, geography, leadership, regime-type, transnationalism, and non-governmental organizations. This course draws upon the experiences of a variety of Western democratic states.

Component(s):

"Lecture"

Notes:

- Students who have received credit for POLI 338 or for this topic under a POLI 398 number may not take this course for credit.

POLI 305 International Political Economy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines institutions, processes, and issues in economic relations between states. Topics covered include theories of international political economy (IPE), international trade, global finance, multinational corporations, economic development, globalization, and regional blocs.

Component(s):

"Lecture"

POLI 306 Classical Political Thought (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on the foundations of Western political thinking in ancient Greece. Through a careful examination of texts by Greek poets, historians and philosophers, concepts such as nature and convention, regime types, and justice and the good life are explored.

Component(s):

"Lecture"

POLI 307 The U.S. Presidency (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides a broad yet detailed introduction to the U.S. Presidency. Primary topics of study include the constitutional nature of the presidential office, how it has evolved over time, its place in American politics, its relationship with the rest of the federal government, its role in the policy-making process, and the relationship between individual presidents and the presidency as an institution.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 313 or POLI 487 number may not take this course for credit.

POLI 308 Politics of Emerging Economies (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the political and economic development of emerging countries. It addresses questions of autonomy/dependence on external powers, economic models, systems of government, and state-society relations, looking at historical and contemporary processes.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 313 number may not take this course for credit.

POLI 309 Women and Politics in Canada (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the role of women in Canadian politics at the federal, provincial, and local level. Historical, theoretical, and legal perspectives are examined and include the politics of racism; sexuality; community organizing; suffrage; and representation within formal political structures. It focuses on the diversity and development of the women's movement in Canada.

Component(s):

"Lecture"

POLI 310 Politics of the U.S (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys the structures and dynamics that inform the contemporary American political process. In addition to studying the traditional governmental institutions, the course aims to provide a foundation for understanding and critically analyzing public opinion, the media and elections, federalism, political parties and interest groups, civil rights and civil liberties, and current issues in public policy.

Component(s):

"Lecture"

POLI 311 International Public Law (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the meaning, effectiveness, and potential of interstate law. Among the topics covered are the source and development of international law; the role of the International Court of Justice; sovereignty, territory, and natural resources; human rights violations, the state and war crimes tribunals; and international environmental law.

Component(s):

"Lecture"

POLI 312 Special Topics in International Politics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

POLI 313 Special Topics in Comparative Politics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

POLI 314 Special Topics in Canadian and Quebec Politics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

POLI 315 International Organizations (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course offers an overview of international institutions and global governance. It examines major theoretical perspectives on international organizations, and addresses the role of the United Nations system, regional organizations, and non-governmental organizations in promoting international co-operation to address collective problems.

Component(s):

"Lecture"

POLI 316 Special Topics in Public Policy and Administration (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

POLI 317 Special Topics in Political Theory (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

POLI 318 Introduction to Strategic Studies (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an introductory examination of the theoretical aspects of strategic studies, including the principles of war, as they apply to combat on land, at sea, and in the air.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 398 number may not take this course for credit.

POLI 319 European Politics and Government (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a study of government and politics in selected European countries. It provides an analysis of political institutions, cultures, and processes.

Component(s):

"Lecture"

POLI 320 Development of Western Legal Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an overview of the major legal systems of the Western world, with special emphasis on the political decisions which influenced their growth and direction. Students study the development of Roman law, Romano-Germanic law, and English common law.

Component(s):

"Lecture"

POLI 321 Canadian and Quebec Law (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an introduction to Canadian and Quebec law. Certain areas of criminal law, the Canadian Charter of Rights and Freedoms, and Quebec civil law are emphasized. An analysis is undertaken of criminal court structure and procedure, legal constitutional rights, and civil court structure and procedure.

Component(s):

"Lecture"

Notes:

- Students who have received credit for POLI 350 may not take this course for credit.

POLI 322 Israeli Political System (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to the study of the emergence and the operation of the Israeli political system and government. Topics may include the formation of the Israeli State; the legislative, the executive, political parties and the electoral process; ethnic divisions; gender and politics; and the issue of the Palestinian territories.

Component(s):

"Lecture"

POLI 323 Politics of Eastern Europe (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course studies the political process and institutions of the region, with a special focus on the recent transformation relating to economic problems, social structures, culture, and ethnic conflicts, as well as the role of governmental policies in domestic and foreign affairs.

Component(s):

"Lecture"

POLI 324 Parliament and the Charter (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the judicial and parliamentary responses to the Canadian Charter of Rights and Freedoms. Particular attention is paid to the judicialization of politics and the emerging dialogue on rights between courts and legislatures in important areas of public policy.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 398 number may not take this course for credit.

POLI 325 Administrative Law (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course covers the purpose and nature of administrative law in the Canadian context. It examines how administrative law regulates the activities of government agencies, boards, commissions, and other departments or offices. It also covers the role of appeals processes and judicial review of administrative action.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 314 number may not take this course for credit.

POLI 327 Comparative Democratization (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course discusses the nature of democracy and the challenges of democratization, drawing on experiences with democratization in Southern Europe, Latin America, Eastern Europe, and Africa. Students assess prospects for democratization and consider how other countries might encourage greater democracy in countries currently experiencing regime change.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 398 number may not take this course for credit.

POLI 328 Public Policy and the Politics of Equality (3 credits)

Description:

This course reviews theoretical debates about the role of the state and the individual, collective and individual rights, integration, and the role of cultural diversity and identity. It examines selected policy demands of women, the poor, refugees, and other constituencies.

Component(s):

"Lecture"

POLI 329 American Foreign Policy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course covers the sources and significance of American foreign policy, including the U.S. foreign policy-making process, the political and historical context of U.S. foreign policy decision making, and the nature and dimensions of contemporary American power. Major theoretical and policy debates are considered.

Component(s):

"Lecture"

POLI 330 Principles of Public Administration (3 credits)

Description:

This course examines the theory and practice of public administration in Canada. The nature of accountability in public sector environments is reviewed in order to study how policy is developed, implemented, and evaluated by bureaucracies, central agencies, and the legislative branches of government.

Component(s):

"Lecture"

POLI 331 Comparative Party Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to the academic study of political parties and party systems. It examines the determinants of party behaviour from a number of theoretical perspectives, including historical, sociological and institutional. The topics covered include, but are not limited to, the number of parties, electoral systems, party finance, leadership selection, and government formation and stability. Specific case studies are selected both from established and new democracies.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 398 number may not take this course for credit.

POLI 332 Theories of International Relations (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an introduction to international relations theory, covering the major debates between realism, liberalism, constructivism, and critical theory, as well as competing epistemological and methodological orientations.

Component(s):

"Lecture"

POLI 334 Political Participation in Canada (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the various approaches to understanding the participation of the public in politics, primarily electoral but also non-electoral activities, in Canada and from a comparative perspective.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 398 number may not take this course for credit.

POLI 335 Politics of the People's Republic of China (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on the political development of the People's Republic of China. Topics include political mobilization, economic development, nationalism, and the policy process.

Component(s):

"Lecture"

POLI 339 Quebec Politics and Society/La vie politique québécoise (3 credits)

(also listed as SCPA 339)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a study of the changing party structure and political issues in Quebec and their relationship to constitutional, cultural, and economic factors. On étudiera dans ce cours l'évolution structurelle des partis et des questions politiques au Québec en fonction de facteurs d'ordre constitutionnel, culturel et économique.

Component(s):

"Lecture"

Notes:

- The course will be offered in both English and French on a rotational basis. Please consult the Undergraduate Class Schedule for details.
- Students who have received credit for POLI 211, SCPA 211, or SCPA 339 may not take this course for credit.

POLI 340 Canadian Political Culture (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course approaches Canadian politics from a societal perspective. The objective is to develop a better understanding of Canada's political culture through a cross-time and cross-national analysis.

Component(s):

"Lecture"

POLI 341 Provincial and Territorial Politics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course analyzes regional political cultures in Canada including the development of provincial political parties and public administrations, the rise of third parties, provincial and territorial constitutional positions, electoral behaviour, and institutional reform in the northern Territories.

Component(s):

"Lecture"

POLI 345 Contemporary Political Philosophy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the character of contemporary political theory when viewed from both a modernist and an anti-modernist understanding of political life. The course also involves an examination into what it means to be modern and whether the critique of modernity is itself a very modern activity.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 398 number may not take this course for credit.

POLI 347 Urban Politics in Latin America (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This class focuses on key issues in Latin American urban politics. Students learn about the origins, development, and contemporary conditions of cities in the region, within a global context. Emphasis is placed on inequality, including citizens' everyday responses to it, their engagement with the state, the state's policy approaches, and the potential for progress.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a POLI 313 number may not take this course for credit.

POLI 349 Political and Social Theory and the City (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the theoretical and ideological aspects of city government in historical and normative perspective.

Component(s):

"Lecture"

POLI 351 Canadian Federalism (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a critical and analytical study of the theory of federalism, its principles, and techniques, and the response of Canadian federal systems to the demands of cultural dualism and regional pressures.

Component(s):

"Lecture"

POLI 352 Comparative Urban Politics and Government (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203 or POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course deals with politics and government in selected Canadian cities, with comparative reference to cities elsewhere in the world.

Component(s):

"Lecture"

POLI 353 Principles of Public Policy (3 credits)

Description:

This course examines the concepts, theories and approaches to the study of public policy. It also explores the major actors, processes and institutions involved in the development of public policy from a Canadian and/or comparative perspective. Topics include the role of the bureaucracy, globalization and internationalization, and state-society relations in policy-making.

Component(s):

"Lecture"

POLI 354 Immigration in Quebec and Canada (3 credits)

(also listed as SCPA 315)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204 . If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on immigration and policies as well as the social consequences of immigration and multiculturalism in Canadian and Quebec contexts. Students learn about the evolution of policy in these areas as well as covering topics such as public opinion and reactions toward immigration, advantages and challenges of multiculturalism vs. integration, and the theoretical debates surrounding immigration and models of integration (assimilation, civic integration, multiculturalism).

Component(s):

"Lecture"

Notes:

- Students who received credit for SCPA 315 or for this topic under a POLI 316 number may not take this course for credit.

POLI 356 Canadian Political Parties (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides a comprehensive examination of the origins and development of political parties in Canada at both the federal and provincial levels. Theories about party development, including one party dominance, brokerage politics and third party development, are examined in order to determine the efficacy of political parties.

Component(s):

"Lecture"

POLI 359 Directed Studies in Political Science (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: POLI 203, POLI 204, POLI 205 or POLI 206. Permission of the undergraduate program director is required.

Description:

This special reading course is designed in conjunction with a faculty member to explore topics and themes in a specific research area of interest to the student and faculty member.

Component(s):

"Reading"

Notes:

- This course may not be taken more than once for credit.

POLI 361 Advocacy Groups and Public Policy (3 credits)

Description:

Students examine the broad social, economic, political, and cultural forces shaping governmental decisions and policies. Particular attention is paid to the conflict between private and public concerns.

Component(s):

"Lecture"

POLI 363 Issues in Canadian Public Policy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

The course examines alternative public policies in selected areas at the federal, provincial, and municipal levels in Canada. Policies analyzed vary from year to year and include such areas as social welfare, culture, education, language, environmental protection, energy conservation, urban renewal, and economic policy.

Component(s):

"Lecture"

POLI 364 Hellenistic, Roman, Medieval Political Philosophy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the political teachings of the Hellenistic schools such as the Academics, the Stoics, the Epicureans and the Skeptics, the political writings from the Roman Republic and Empire, and the political problematics posed by early Christianity.

Component(s):

"Lecture"

POLI 365 Canadian Public Administration (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the organization and composition of the federal bureaucracy, the role of the bureaucracy in the making and implementation of public policy, patterns of recruitment, and the mechanisms of accountability and control.

Component(s):

"Lecture"

POLI 366 Politics of Africa (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores contemporary politics in sub-Saharan Africa within its historical context. It covers political regimes and contention, economic development, and a variety of contemporary political issues in a selection of countries from a comparative perspective.

Component(s):

"Lecture"

POLI 367 Quebec Public Administration (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the organization and composition of Quebec bureaucracy, the role of civil servants and the making and implementation of public policy, patterns of recruitment, and the mechanisms of accountability and control.

Component(s):

"Lecture"

POLI 368 Media, Technology and Politics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the impact upon politics of changes in technology and the media. Students discuss a diverse range of contemporary thinkers and their understanding of the digital future. Particular attention is paid to the age of electronic politics and its effect upon the actual practice of political power.

Component(s):

"Lecture"

POLI 369 Nuclear Strategy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course covers the theory and application of nuclear weapons as a means of deterrence in warfare. It surveys issues in nuclear control, missile defense, and deterrence design. Special attention is given to contrasting theories on the utility of nuclear force.

Component(s):

"Lecture"

Notes:

- Students who have received credit for POLI 419 may not take this course for credit.

POLI 371 Early Modern Political Philosophy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

Students are introduced to the origins of modern political thought from the Renaissance and the Reformation through to the mid-18th century.

Component(s):

"Lecture"

POLI 373 Late Modern Political Philosophy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the progression and criticism of modern political thought from the mid-18th century through to the early-20th century.

Component(s):

"Lecture"

POLI 376 Politics of Northern Ireland (3 credits)

Description:

This course focuses on the political evolution of Northern Ireland over three distinct periods: the Stormont Parliament (1921-1972); direct rule by Westminster (1972-1998); and devolved government after the 1998 Good Friday Agreement. Topics may include constitutional politics and partition, religion and politics, political parties, sectarianism, the “Troubles,” the Good Friday Agreement, and the post-1998 power-sharing institutions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an IRST 398 number may not take this course for credit.

POLI 379 Politics of Latin America (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores Latin American politics, economics, society, and culture from a multidimensional perspective. It emphasizes the common elements and diverging factors that characterize the contemporary evolution of Latin American countries.

Component(s):

"Lecture"

POLI 384 Principles of Political Theory (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an intensive study of a basic work by a major thinker such as Plato, Aristotle, Machiavelli, Hobbes or Hegel. It examines a major text such as Plato's Laws or Hegel's Phenomenology as well as commentaries on it, while attempting to explore systematically the issues and problems raised by the text and the interpretative traditions that follow from it.

Component(s):

"Lecture"

POLI 386 Contemporary Liberalism and Its Critics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines recent developments in the theory and practice of liberalism, as well as criticisms of liberal principles and the liberal way of life from a range of contemporary perspectives.

Component(s):

"Lecture"

POLI 387 Islamic Law and Society (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203 . If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the basic sources and methodologies that constitute legal traditions, legal practices, and legal strategies in Islam. The course explores themes such as war and treaty-making, science and technology, economic systems including capitalism, gender and kinship structures, legal pluralism, Muslim life in diaspora, and minorities in Muslim-majority settings.

Component(s):

"Lecture"

Notes:

- Students who received credit for this topic under POLI 313 may not take this course for credit.

POLI 388 Human Rights and International Justice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys normative questions comprising human rights discourse, with an emphasis on international efforts to promote human rights standards. Topics include the role of the United Nations, the North-South debate, environmental security, the obligation of individuals and states, women's rights and the work of non-governmental organizations. Special consideration is given to the controversy between the universal and particular applications of human rights.

Component(s):

"Lecture"

POLI 389 Religion and Politics (3 credits)

(also listed as THEO 343)

Description:

Focusing on the relationship between church, state, and democracy, this course examines the intersection of religion and politics by studying the connections between moral values and political beliefs in different settings around the world. It explores how religious beliefs have shaped politics and have impacted democratization, education, and citizenship. At the same time, it reflects on the way in which politics has affected religious life and religious organizations.

Component(s):

"Lecture"

Notes:

- Students who have received credit for THEO 343 or for this topic under a POLI 398 number may not take this course for credit.

POLI 390 Critical Perspectives on Modern Political Science (3 credits)

Description:

This course raises theoretical and practical questions regarding the limits, purposes, and presuppositions of modern political science through an examination of criticisms of and alternatives to prevailing modes of inquiry.

Component(s):

"Lecture"

Notes:

- Students who have received credit for POLI 372 may not take this course for credit.

POLI 391 Middle East and Global Conflict (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a study of the Middle East in transition, conflict and ideology in a global context of changing regional alliances. Topics include regional conflicts such as the Arab-Israeli conflict, the Iraq-Iran war, the Gulf crisis, foreign policy process, and the end of the cold war and its impact in the new millennium.

Component(s):

"Lecture"

POLI 392 Approaches to Social Science Inquiry (3 credits)

Description:

This course introduces students to a variety of approaches to social scientific inquiry, focusing on their underlying logics. The course covers variable-based research of the qualitative and quantitative variety and alternatives to this approach such as critical theory, process-tracing, modelling, ethnography, interpretivist analysis, and conceptual analysis.

Component(s):

"Lecture"

POLI 393 Quantitative Research Methods (3 credits)

Description:

In this course, students learn how to define, operationalize, and measure variables and how to statistically describe the relationship between variables with the help of statistical software.

Component(s):

"Lecture"

POLI 394 Globalization and Sustainable Development (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an introduction to the emerging field of global environmental politics. It surveys the present environmental crisis and the roles of states, international organizations, and civil society. Various case studies dealing with oceans, forests, fisheries, biodiversity, global warming, and others are used to illustrate the inherent complexity of transnational ecological issues in the era of globalization.

Component(s):

"Lecture"

POLI 395 Politics of the Middle East (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a comparative study of politics and society in the modern Middle East and North Africa. Topics include the end of empires and the emergence of nation-states after World War I, political economy, regional conflicts, the question of democracy, the rise of religious movements, and the dynamics of revolutions and regime change.

Component(s):

"Lecture"

POLI 396 Honours Tutorial (3 credits)

Prerequisite/Corequisite:

Enrolment in the Honours (Thesis) in Political Science and permission of the Department is required.

Description:

This course requires students to conduct a literature review in a topic to be chosen for their thesis, complete a bibliography, and work on their methodological approaches.

Component(s):

"Reading"

POLI 397 Internship (3 credits)

Prerequisite/Corequisite:

Permission of the Department.

Description:

The internship is a one-term apprenticeship in some aspect of public affairs and policy analysis. Placements may be drawn from all areas of possible employment outside the university, including private sector, government and community organizations. Students are required to submit a written report which summarizes and evaluates their work experience.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Eligible students should have completed 27 credits in Political Science and must have an excellent academic record with a minimum GPA of 3.3. The undergraduate program director of the Department, acting on behalf of the Undergraduate Curriculum Committee, determines the eligibility of the student and approves the internship. Students should consult the Department for further information.
- Students who have received credit for POLI 497 may not take this course for credit.

POLI 400 Advanced Seminar in International Relations Theory (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course addresses central questions of international relations theory, such as the causes of war, the paths to peace and co-operation, and the relationship between power and wealth. Students consider major paradigmatic approaches to these questions from realist, liberal and constructivist perspectives, as well as the utility of eclectic or cross-paradigmatic approaches.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 486 number may not take this course for credit.

POLI 401 American Political Thought (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar examines texts articulating the theoretical foundations and historical development of the American regime, with attention to the relationship between the institutions, processes, individuals and ideas shaping the American way of life.

Component(s):

"Seminar"

POLI 402 Advanced International Political Economy (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course covers both the major theoretical approaches in International Political Economy (IPE) and the practical efforts of states to shape, control, and adapt to the international economic system. Students develop and continually practise the skills of logically coherent analysis, discussion, and presentation.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 486 number may not take this course for credit.

POLI 403 Global Ecopolitical Analysis (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar course contextualizes contemporary ecological problems and global governance efforts to mitigate them. Students analyze multilateral environmental agreements in depth and explore various policy options that promise to anticipate future international ecopolitical issues.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 486 number may not take this course for credit.

POLI 404 International Institutions (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an advanced seminar covering major theoretical perspectives on the significance in world politics of international institutions and regimes, and of inter-governmental and non-governmental organizations.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 498 number may not take this course for credit.

POLI 405 Comparative Electoral Systems (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on the various political and policy impacts that electoral laws have on party competition in both advanced industrialized and less developed democracies. The course introduces students to the detailed study of both the structure and the consequences of the main electoral systems.

Component(s):

"Seminar"

POLI 406 Comparative Federalism and Political Integration (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course begins by examining the theories of political integration, federalism and nationalism, and the various policy instruments available to the modern state to achieve integration, before moving to an analysis of the current situation in a range of modern federal states as well as the emerging confederal system of the European Union.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 498 number may not take this course for credit.

POLI 407 Parliamentary Bills of Rights (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar explores the political origins and functioning of bills of rights in selected parliamentary democracies. Particular attention is paid to the “judicialization of politics” and the attempts to promote institutional dialogue between judicial and parliamentary actors in Westminister systems such as Canada, Australia, New Zealand and the United Kingdom.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 488 number may not take this course for credit.

POLI 408 Public Opinion and Public Policy (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

By relying on examples from Quebec and Canada, this seminar focuses on the role of public opinion in shaping public policy. It offers an overview of scholarly debate and research on public opinion and political communication.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 498 number may not take this course for credit.

POLI 409 Canada: State-Society Relations (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

The current research associated with the perception of a growing sense of democratic malaise and political discontent has prompted several academics to assess the current state of Canadian democracy. Students examine and discuss the current research and critically analyze the implications for Canada's state-society relations.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 488 number may not take this course for credit.

POLI 410 Environmental Policy in the Developing World (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department

is required.

Description:

This course surveys the interactions between development strategies and the environment. Topics may include the environmental ramifications of large development projects, different systems of property rights, decentralization, international debt, foreign aid, and the challenges associated with managing highly valuable natural resources.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 487 number may not take this course for credit.

POLI 411 Gender and Public Policy (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203 or POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course fosters an understanding of the theoretical and practical issues surrounding the study of gender and public policy and introduces them to recent scholarship in this area. Students examine a number of themes and debates, including gender and policy studies, gender and the welfare state, women's groups in the policy process, and feminist perspectives on the bureaucracy.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 498 number may not take this course for credit.

POLI 412 Comparative Social Policy (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar examines various explanations for the development and retrenchment of the welfare state in different countries. It analyzes typologies developed to conceptualize welfare-state regimes and examines, in a comparative fashion, key social policies such as health, pensions, and employment.

Component(s):

"Seminar"

Notes:

- Students who have received credit for POLI 461 may not take this course for credit.

POLI 414 Authors of Political Imagination (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar considers the political impact of contingent narrative approaches to shifts in an individual's political imagination as opposed to purely rational or universally applicable philosophical arguments. The political potential of a broad range of literary styles, such as poetry, drama and the short story, is discussed alongside texts from the fields of philosophy, neuroscience and rhetoric so that their respective impacts can be assessed.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 490 number may not take this course for credit.

POLI 415 Modern Political Theory and Religion (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar explores the use and abuse of religious ideas, texts and traditions in the theoretical foundations of modernity such as ethical priorities and orientations, political and social institutions, and the purposes and status of science, found at the core of modern life.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 490 number may not take this course for credit.

POLI 416 Ancient Political Texts (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar explores, by careful reading of philosophic, poetic, or historical texts, the ancient political conceptualizations that frame and contribute to Western political ideas, issues and goals.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 490 number may not take this course for credit.

POLI 417 Governance (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar investigates how the efforts of governments to control the lives, thoughts and thought processes of the members of society are central to the modern governmental process and how they have been part of the agenda since the beginning of the late modern era.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 490 number may not take this course for credit.

POLI 418 Machiavelli (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar acquaints students with the arguments surrounding Machiavellian scholarship in particular and Renaissance political issues in general. Students study two of Machiavelli's canonical texts (The Prince and The Discourses) in addition to his less well known but essential contribution to Florentine historiography (Florentine Histories). The political and literary context of Machiavelli's writings, and how it colours contemporary criticism, is discussed.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 490 number may not take this course for credit.

POLI 420 Politics of Conservation (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course challenges students to analyze the complexities of wildlife conservation strategies at the local, national, and international levels. Students engage in teamwork and write individual papers on both specific endangered species and related concepts such as trade, development, corruption, conflict, public relations, and adaptive governance.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 486 or 498 number may not take this course for credit.

POLI 421 Transnational Politics (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar examines the activities of non-state actors, including NGOs, social movements, corporations, and individuals, and their roles in creating global society, building international institutions, and shaping foreign policy. Emphasis is placed on theories which seek to explain the relative influence of these actors in the international political system.

Component(s):

"Seminar"

POLI 422 Canadian Foreign Policy (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines Canada's foreign policy. In this seminar, particular emphasis is given to the decision-making process by which foreign policy is formulated and implemented, with particular reference to Canadian relations vis-à-vis the United States, the Commonwealth, and the developing countries.

Component(s):

"Seminar"

POLI 423 Peace Studies and Global Governance (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar focuses on the theory and practice of peace amongst nations. The course begins with a survey of analyses explaining the causes of aggression, war and peace, including theories of structural violence and revolution; nationalism and cosmopolitanism. It then examines the roles played by the state, international organizations, and peace movements, focusing on global and regional disarmament initiatives and peace-keeping.

Component(s):

"Seminar"

POLI 424 Corruption (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar deals with the corruption, patronage, and clientelism that characterize politics in much of the world. Case studies are used to explore the structures and processes leading to the use of informal channels and personal connections for doing politics.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 487 or 498 number may not take this course for credit.

POLI 425 Foundations of Liberalism (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar examines the genesis, principles and purposes of classical liberalism as it is articulated by early modern authors. This involves investigating conceptions of and arguments for personal freedom, natural equality, private property, individual rights and limited government, among other topics. It then explores the subsequent development and distortion of liberal ideas by later theorists in the tradition.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 490 number may not take this course for credit.

POLI 426 Nietzsche (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 206. Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar is devoted to an exploration of the philosophical teaching of Friedrich Nietzsche and the subsequent influence of this teaching on the political and spiritual developments of Western culture. Nietzsche's influence on such movements as deconstruction, nihilism, and postmodernism is explored.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 498 number may not take this course for credit.

POLI 427 Political Thought of the Enlightenment (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the impact of Enlightenment thinking in Europe, especially Scotland and the reformed parts of Northern France, Switzerland, the Netherlands, and the German states.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 498 number may not take this course for credit.

POLI 428 Constitutional Politics in Canada (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar considers the emergence of "mega constitutional politics" in the 1960-1995 period involving state and societal actors. Topics include the Victoria Charter, Patriation, Meech Lake Accord, Charlottetown Accord, the 1980 and 1995 Quebec referenda, and attempts at non-constitutional reform since 1995.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 488 number may not take this course for credit.

POLI 429 Political Socialization in Canadian and Comparative Perspective (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203 or POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course aims at understanding the social origins of political opinions, attitudes and values, under what conditions they change, and how they affect political dynamics in Canada and in a comparative perspective.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 487 number may not take this course for credit.

POLI 431 State-Society Relations in China (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores different approaches to the study of state-society relations in the People's Republic of China. Specifically, the course considers the applicability of concepts such as neo-traditionalism, state reach, corporatism, civil society, and rightful resistance during both the Maoist and reform eras.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 487 number may not take this course for credit.

POLI 433 Critics of Modernity (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar studies selected writings by major critics of modernity during the 20th century. The authors studied may include Hannah Arendt, Albert Camus, Fyodor Dostoevsky, George Grant, Bertrand de Jouvenel, Alasdair MacIntyre, Jacques Maritain, Richard Niebuhr, Michael Oakeshott, Leo Strauss, Charles Taylor, and Eric Voegelin.

Component(s):

"Seminar"

POLI 434 Politics of Violence in Latin America (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an overview of Latin American history and development, beginning with conquest, through the lens of violence. Latin America is one of the most violent regions of the world. Gang wars, drug trafficking, kidnappings, and femicides are the regular fodder of the news media, but the class focuses on the structural violence — the marginalization and oppression of the poor masses inherent to local societies — that underlies the more spectacular forms of violence.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 487 number may not take this course for credit.

POLI 435 Advanced Seminar in U.S. Politics (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines specific substantive or thematic topics in U.S. government and politics, such as the U.S. Congress and the legislative process, U.S. constitutional law, U.S. law and society, and American political development.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 487 number may not take this course for credit.

POLI 436 State and Society in the Middle East (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar explores patterns of authority and protest in the Middle East. The topics include the institutional and ideological sources of authoritarianism, the role of the military in politics, the tension between religion and secularism in the formation of national identities, and the various social movements, including religious and ethnic movements, that challenge prevailing structures of power.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 487 number may not take this course for credit.

POLI 437 Special Issues in African Development (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course surveys debates concerning development with a special focus on sub-Saharan Africa. Topics include the role of the state in development, the effect of African economies' global connections, the activities of non-governmental organizations, and the effect of natural resources on development.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 487 number may not take this course for credit.

POLI 438 Decentralization and Development (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces concepts related to the various forms of decentralization and explores the diverse expectations, politics, and outcomes associated with decentralization.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 487 or 498 number may not take this course for credit.

POLI 439 International Human Rights Institutions (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in a Political Science program and must have completed 60 credits including POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an advanced seminar examining the politics of international institutions, such as treaties and international organizations, for the protection of internationally recognized human rights. Students apply the major theoretical perspectives on international relations, including realism, liberalism, and constructivism, to questions surrounding the creation and operation of international human rights institutions in various contexts.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 486 number may not take this course for credit.

POLI 440 Literature and Politics (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in a Political Science program and must have completed 60 credits including POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course investigates the contribution of literature and other storytelling genres, such as film, television, and theatre, as an alternative, or complement, to philosophical and empirical political science research. It examines how storytelling offers a different perspective on the enduring questions of political theory, such as what is the purpose of government or what is justice. The course also explores how storytelling can shape political culture by transmitting norms and values, as well as the power of stories to question or critique political ideas and provide a way to think through the potential consequences of political decision-making and public policy.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 490 number may not take this course for credit.

POLI 444 Politics of International Development (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in a Political Science program and must have completed 60 credits including POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course explores the politics of international development. It investigates the historical evolution of international development co-operation, examining the legacies of colonialism, changing intellectual frameworks, and the contemporary rise of emerging powers. After examining different approaches to development, students evaluate the institutions and norms of contemporary international development co-operation, particularly foreign aid.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 486 number may not take this course for credit.

POLI 445 Scandinavian Politics (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in a Political Science program and must have completed 60 credits including POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an upper undergraduate seminar on Scandinavian politics focusing on five Nordic countries (Denmark, Finland, Iceland, Norway, and Sweden). As such, this seminar focuses on the contemporary history and politics of the Nordic countries, most notably on parliamentary traditions, the development of the welfare state, gender politics, policy diffusion across Scandinavian countries, and the rise of the far right.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a POLI 487 number may not take this course for credit.

POLI 451 Directed Studies in International Politics (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits including POLI 205. Permission of the Department is required.

Description:

This special reading course is designed in conjunction with a faculty member to explore topics and themes in a specific research area in international politics of interest to the student and faculty member.

Component(s):

"Independent Study"

Notes:

- Enrolment is limited to one 400-level Directed Studies course per student.

POLI 452 Directed Studies in Comparative Politics (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits including POLI 203. Permission of the Department is required.

Description:

This special reading course is designed in conjunction with a faculty member to explore topics and themes in a specific research area in comparative politics of interest to the student and faculty member.

Component(s):

"Independent Study"

Notes:

- Enrolment is limited to one 400-level Directed Studies course per student.

POLI 453 Directed Studies in Canadian and Quebec Politics (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits including POLI 204. Permission of the Department is required.

Description:

This special reading course is designed in conjunction with a faculty member to explore topics and themes in a specific research area in Canadian and Quebec politics of interest to the student and faculty member.

Component(s):

"Independent Study"

Notes:

- Enrolment is limited to one 400-level Directed Studies course per student.

POLI 454 Directed Studies in Public Policy and Administration (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits. Permission of the undergraduate program director is required.

Description:

This special reading course is designed in conjunction with a faculty member to explore topics and themes in a specific research area in public policy and administration of interest to the student and faculty member.

Component(s):

"Independent Study"

Notes:

- Enrolment is limited to one 400-level Directed Studies course per student.

POLI 455 Directed Studies in Political Theory (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits including POLI 206. Permission of the Department is required.

Description:

This special reading course is designed in conjunction with a faculty member to explore topics and themes in a specific research area in political theory of interest to the student and faculty member.

Component(s):

"Independent Study"

Notes:

- Enrolment is limited to one 400-level Directed Studies course per student.

POLI 463 Government and Business in Canada (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar in public policy is designed to explore the relationship between government and business in Canada. Particular attention is paid to the formation and implementation of policy intended to promote and control enterprise, and the role of government as entrepreneur.

Component(s):

"Seminar"

POLI 481 Advanced Seminar in European Politics (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar examines the nature of politics of the states and societies of Western Europe, including the significance of their membership in the European Union.

Component(s):

"Seminar"

POLI 483 State and Society in Latin America (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar examines the nature of politics in Latin America. A specific focus is placed on selective issues of state-society relations, and the emergence of new political forces and institutions in response to changes in the socio-economic structure of the region.

Component(s):

"Seminar"

POLI 484 Post-Communist Democracies (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar reviews the post-communist states' transition to democracy and their state-formation. The seminar focuses on the interplay between the forces of nationalism, ethnicity, identity, and the transition to democratic structures.

Component(s):

"Seminar"

POLI 485 Issues in Development and Democracy (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar focuses on the political and economic problems of the new nations. A particular emphasis is placed on understanding the process of development and state formation within a democratic context.

Component(s):

"Seminar"

POLI 486 Advanced Seminar in International Relations (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 205. If prerequisites are not satisfied, permission of the Department is required.

Description:

Advanced seminars deal with selected topics in sub-fields of political science. Topics vary from year to year.

Component(s):

"Seminar"

POLI 487 Advanced Seminar in Comparative Politics (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203. If prerequisites are not satisfied, permission of the Department is required.

Description:

Advanced seminars deal with selected topics in sub-fields of political science. Topics vary from year to year.

Component(s):

"Seminar"

POLI 488 Advanced Seminar in Canadian and Quebec Politics (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

Advanced seminars deal with selected topics in sub-fields of political science. Topics vary from year to year.

Component(s):

"Seminar"

POLI 489 Advanced Seminar in Public Policy and Administration (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 203 or POLI 204. If prerequisites are not satisfied, permission of the Department is required.

Description:

Advanced seminars deal with selected topics in sub-fields of political science. Topics vary from year to year.

Component(s):

"Seminar"

POLI 490 Advanced Seminar in Political Theory (3 credits)

Prerequisite/Corequisite:

Courses at the 400 level are taught as seminars and are generally open to students enrolled in a Political Science program who have successfully completed 60 credits and POLI 206. If prerequisites are not satisfied, permission of the Department is required.

Description:

Advanced seminars deal with selected topics in sub-fields of political science. Topics vary from year to year.

Component(s):

"Seminar"

Notes:

- Students should consult the Department for a description of these courses.

POLI 495 Honours Thesis (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: POLI 396. Enrolment in the Honours (Thesis) in Political Science and permission of the Department is required.

Description:

The student works with an individual faculty member in a particular field of study in Political Science. Students are asked to produce a sustained piece of written work to be defended before a departmental committee.

Component(s):

"Research"

POLI 496 Honours Seminar (3 credits)

Prerequisite/Corequisite:

Enrolment in the Honours in Political Science and permission of the Department is required.

Description:

This seminar involves the student in formulating an honours research proposal, and the research and writing of an honours paper. Topics of the seminar vary from year to year.

Component(s):

"Seminar"

Section 31.250 Department of Psychology

Department of Psychology

Psychology Programs

- Psychology Program Notes
- BSc Honours in Neuroscience
- BSc Specialization in Neuroscience
- **BA/BSc Honours in Psychology**
  - BA Honours in Psychology
  - BSc Honours in Psychology
  - Core: Honours in Psychology
- **BA/BSc Specialization in Psychology**
  - BA Specialization in Psychology
  - BSc Specialization in Psychology
  - Core: Specialization in Psychology
- **BA/BSc Major in Psychology**
  - BA Major in Psychology
  - BSc Major in Psychology
  - Core: Major in Psychology
- Minor in Psychology

Psychology Course Groups

Department of Psychology Courses

Department of Psychology

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/psychology.html

Department Objectives

Psychology is the scientific study of mental life, both its neurological bases and its manifestations in behaviour. Psychology also examines the factors that promote change in behaviour and mental activity. Through teaching and research, the Department serves the community by furthering such knowledge and applying it to promote human welfare. The commitment of faculty members to research assures that students keep up with current developments. Their involvement in community programs keeps students and faculty alike in close touch with the practical application of the discipline.

The Department is proud to participate in the Kaié:ri Nikawerá:ke Indigenous Bridging Program for BA and BSc Psychology students. This program offers alternative entry to eligible Indigenous students, specifically from First Nations, Métis and Inuit communities located in Canada, whose academic path is non-traditional. Students who successfully complete this bridging program will be able to transition to the program of their choice within the Department of Psychology. For admissions criteria, please consult the following pages:

- Kaié:ri Nikawerá:ke Indigenous Bridging Program under Section 14 Alternative Entry
- Kaié:ri Nikawerá:ke Indigenous Bridging Program for General BSc, Psychology Stream, under Section 31.002 Programs and Admission Requirements
- Kaié:ri Nikawerá:ke Indigenous Bridging Program for BA Psychology under Section 31.002 Programs and Admission Requirements

Please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program website for more information:

concordia.ca/students/new/indigenous-bridging-program

Psychology Program Notes

- The Department of Psychology offers minor, major, specialization, and honours programs in Psychology. Both BA and BSc degrees are offered for the Psychology programs. The Department also offers BSc specialization and honours programs in Neuroscience.
- Students planning a career or graduate studies in psychology are normally expected to follow the appropriate honours or specialization program. Students planning to pursue graduate studies in clinical psychology should ensure that the program electives they choose coincide with licensing board requirements.
- The major program is designed for students who wish to concentrate their studies in psychology but at the same time wish to pursue general education in other disciplines. The major program can be combined with a major in another department.
- Students registered in the Honours, Specialization, or Major in Psychology may select Psychology electives in various Content Areas in order to obtain a broad overview of the discipline. The five Content Areas within the Department are Social, Personality, and Culture; Developmental; Clinical and Health; Behavioural Neuroscience; and Cognitive Science. It is possible for students to pursue in-depth studies within these specific Content Areas by taking Tier 2 courses.
- The minor program can be taken only by students registered in another degree program and provides the opportunity to gain basic exposure to the main sub-disciplines of psychology or to pursue one such area in some depth.
- Students are strongly encouraged to take advantage of academic advising services available in the Department of Psychology in order to select the program and courses that best meet their needs. Students are ultimately responsible for satisfying their particular degree requirements.
- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits.
- Students must meet the University regulations concerning the honours degree.
- To qualify for entry into a specialization program, students must have a GPA of 3.2 in Psychology courses and must maintain this GPA to remain in the program.
- For additional information concerning programs and courses, students should consult the Department academic advisor.

BSc Honours in Neuroscience

Program Requirements

BSc Honours in Neuroscience (66 credits)

18 credits:

- NEUR 355 Fundamentals of Neuroscience (3.00)
- NEUR 356 Research Methods in Neuroanatomy (3.00)
- PSYC 315 Statistical Analysis I (3.00)
- PSYC 316 Statistical Analysis II (3.00)
- PSYC 351 Fundamentals of Learning (3.00)
- PSYC 364 Fundamentals of Cognition (3.00)

3 credits:

- NEUR 451 Learning and Neuroplasticity (3.00)

6 credits chosen from:

- NEUR 450 Neurobiology of Drug Abuse and Addiction (3.00)
- NEUR 452 Neurobiology of Sensation and Perception (3.00)
- NEUR 453 Neurobiology of Motivated Behaviour (3.00)
- NEUR 454 Hormones and Behaviour (3.00)
- NEUR 455 Neuropharmacology (3.00)
- NEUR 456 Functional Human Neuroanatomy (3.00)
- NEUR 457 Foundations of Animal Behaviour (3.00)
- PSYC 354 Evolutionary Foundations of Psychology (3.00)
- PSYC 445 Human Neuropsychology (3.00)

15 credits:

- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 364 Cell Physiology (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 271 Biochemistry I (3.00)

3 credits chosen from:

- BIOL 367 Molecular Biology (3.00)
- BIOL 368 Genetics and Cell Biology Laboratory (3.00)

3 credits chosen from:

- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)
- CHEM 217 Introductory Analytical Chemistry I (3.00)

12 credits chosen from the Neuroscience Individualization list

6 credits:

- NEUR 495 Honours Thesis (6.00)

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include at least 18 credits from the 300 or 400 level program-related courses. Students must have a GPA of 3.7 in Psychology courses to qualify for entry to the honours and must maintain this GPA to remain within the program.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Neuroscience

Program Requirements

BSc Specialization in Neuroscience (60 credits)

18 credits:

- NEUR 355 Fundamentals of Neuroscience (3.00)
- NEUR 356 Research Methods in Neuroanatomy (3.00)
- PSYC 315 Statistical Analysis I (3.00)
- PSYC 316 Statistical Analysis II (3.00)
- PSYC 351 Fundamentals of Learning (3.00)
- PSYC 364 Fundamentals of Cognition (3.00)

3 credits:

- NEUR 451 Learning and Neuroplasticity (3.00)

6 credits chosen from:

- NEUR 450 Neurobiology of Drug Abuse and Addiction (3.00)
- NEUR 452 Neurobiology of Sensation and Perception (3.00)
- NEUR 453 Neurobiology of Motivated Behaviour (3.00)
- NEUR 454 Hormones and Behaviour (3.00)
- NEUR 455 Neuropharmacology (3.00)
- NEUR 456 Functional Human Neuroanatomy (3.00)
- NEUR 457 Foundations of Animal Behaviour (3.00)
- PSYC 354 Evolutionary Foundations of Psychology (3.00)
- PSYC 445 Human Neuropsychology (3.00)

15 credits:

- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 364 Cell Physiology (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 271 Biochemistry I (3.00)

3 credits chosen from:

- BIOL 367 Molecular Biology (3.00)
- BIOL 368 Genetics and Cell Biology Laboratory (3.00)

3 credits chosen from:

- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)
- CHEM 217 Introductory Analytical Chemistry I (3.00)

12 credits chosen from the Neuroscience Individualization list

Note: Students in the Specialization in Neuroscience may also take NEUR 485 as part of these credits.

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Honours in Psychology

Program Requirements

BA Honours in Psychology (66 credits)

30 credits from the Core: Honours in Psychology

15 credits chosen from Tier 1: Psychology with at least six credits chosen from the Social, Personality, and Culture Content Area: Tier 1 and/or the Developmental Content Area: Tier 1 and six credits chosen from the Behavioural Neuroscience Content Area: Tier 1 and/or the Cognitive Science Content Area: Tier 1 Cognitive Science Content Area

12 credits chosen from at least two different Tier 2: Psychology content areas

9 credits of Psychology elective courses at the 300 or 400 level

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include at least 18 credits from the 300 or 400 level program-related courses. Students must have a GPA of 3.7 in Psychology courses to qualify for entry to the honours and must maintain this GPA to remain within the program.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BSc Honours in Psychology

Program Requirements

BSc Honours in Psychology (81 credits)

30 credits from the Core: Honours in Psychology

15 credits chosen from Tier 1: Psychology with at least six credits chosen from the Social, Personality, and Culture Content Area: Tier 1 and/or the Developmental Content Area: Tier 1 and six credits chosen from the Behavioural Neuroscience Content Area: Tier 1 and/or the Cognitive Science Content Area: Tier 1

12 credits chosen from at least two different Tier 2: Psychology Content Areas

9 credits of Psychology elective courses at the 300 or 400 level

15 credits chosen from science courses outside the Department

Notes

- Students must have completed an appropriate program of science prerequisites in order to be admitted to BSc programs.
- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include at least 18 credits from the 300 or 400 level program-related courses. Students must have a GPA of 3.7 in Psychology courses to qualify for entry to the honours and must maintain this GPA to remain within the program.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

Core: Honours in Psychology

Core: Honours in Psychology (30 credits)

30 credits:

- NEUR 355 Fundamentals of Neuroscience (3.00)
- PSYC 305 History and Systems (3.00)
- PSYC 310 Research Methods in Psychology (3.00)
- PSYC 311 Advanced Research Methods and Scientific Writing in Psychology (3.00)
- PSYC 315 Statistical Analysis I (3.00)
- PSYC 316 Statistical Analysis II (3.00)
- PSYC 490 Honours Seminar Topics (3.00)
- PSYC 491 Honours Seminar Issues (3.00)
- PSYC 495 Honours Thesis (6.00)

BA Specialization in Psychology

Program Requirements

BA Specialization in Psychology (60 credits)

15 credits from the Core: Specialization in Psychology

15 credits chosen from Tier 1: Psychology with at least six credits chosen from the Social, Personality, and Culture Content Area: Tier 1 and/or the Developmental Content Area: Tier 1 and six credits chosen from the Behavioural Neuroscience Content Area: Tier 1 and/or the Cognitive Science Content Area: Tier 1

12 credits chosen from at least two different Tier 2: Psychology Content Areas

18 credits of Psychology elective courses at the 300 or 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Specialization in Psychology

Program Requirements

BSc Specialization in Psychology (75 credits)

15 credits from the Core: Specialization in Psychology

15 credits chosen from Tier 1: Psychology with at least six credits chosen from the Social, Personality, and Culture Content Area: Tier 1 and/or the Developmental Content Area: Tier 1 and six credits chosen from the Behavioural Neuroscience Content Area: Tier 1 and/or the Cognitive Science Content Area: Tier 1

12 credits chosen from at least two different Tier 2: Psychology Content Areas

18 credits of Psychology elective courses at the 300 or 400 level

15 credits chosen from science courses outside the Department

Notes

- Students must have completed an appropriate program of science prerequisites in order to be admitted to BSc programs.
- Students are responsible for satisfying their particular degree requirements.

Core: Specialization in Psychology

Core: Specialization in Psychology (15 credits)

15 credits:

- NEUR 355 Fundamentals of Neuroscience (3.00)
- PSYC 305 History and Systems (3.00)
- PSYC 310 Research Methods in Psychology (3.00)
- PSYC 315 Statistical Analysis I (3.00)
- PSYC 316 Statistical Analysis II (3.00)

BA Major in Psychology

Program Requirements

BA Major in Psychology (42 credits)

12 credits from the Core: Major in Psychology

15 credits chosen from Tier 1: Psychology with at least six credits chosen from the Social, Personality, and Culture Content Area: Tier 1 and/or the Developmental Content Area: Tier 1 and six credits chosen from the Behavioural Neuroscience Content Area: Tier 1 and/or the Cognitive Science Content Area: Tier 1

15 credits of Psychology elective courses at the 300 or 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

BSc Major in Psychology

Program Requirements

BSc Major in Psychology (42 credits)

12 credits from the Core: Major in Psychology

15 credits chosen from Tier 1: Psychology with at least six credits chosen from the Social, Personality, and Culture Content Area: Tier 1 and/or the Developmental Content Area: Tier 1 and six credits chosen from the Behavioural Neuroscience Content Area: Tier 1 and/or the Cognitive Science Content Area: Tier 1

15 credits of Psychology elective courses at the 300 or 400 level

Notes

- Students must have completed an appropriate program of science prerequisites in order to be admitted to BSc programs.
- Students are responsible for satisfying their particular degree requirements.

Core: Major in Psychology

Core: Major in Psychology (12 credits)

12 credits:

- NEUR 355 Fundamentals of Neuroscience (3.00)
- PSYC 305 History and Systems (3.00)
- PSYC 310 Research Methods in Psychology (3.00)
- PSYC 315 Statistical Analysis I (3.00)

Minor in Psychology

Program Requirements

Note: Admission to this program is suspended.

Minor in Psychology (24 credits)

6 credits:

- NEUR 255 Introductory Neuroscience (3.00)
- PSYC 205 Introductory Psychology (3.00)

Note: Students exempted from PSYC 205 are required to replace this course with three credits of Psychology courses at the 300 or 400 level.

6 credits of Core Requirements:

- PSYC 310 Research Methods in Psychology (3.00)
- PSYC 315 Statistical Analysis I (3.00)

12 credits of Psychology elective courses with a minimum of nine credits at the 300 or 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

Psychology Course Groups

Tier 1: Psychology

Social, Personality, and Culture Content Area: Tier 1

Developmental Content Area: Tier 1

Clinical and Health Content Area: Tier 1

Behavioural Neuroscience Content Area: Tier 1

Cognitive Science Content Area: Tier 1

Social, Personality, and Culture Content Area: Tier 1

- PSYC 321 Fundamentals of Personality (3.00)
- PSYC 325 Fundamentals of Social Psychology (3.00)

Developmental Content Area: Tier 1

- PSYC 333 Fundamentals of Lifespan Development (3.00)

Clinical and Health Content Area: Tier 1

- PSYC 340 Fundamentals of Psychopathology (3.00)
- PSYC 341 Fundamentals of Health Psychology (3.00)
- PSYC 342 Forensic Psychology (3.00)

Behavioural Neuroscience Content Area: Tier 1

- PSYC 351 Fundamentals of Learning (3.00)
- PSYC 354 Evolutionary Foundations of Psychology (3.00)

Cognitive Science Content Area: Tier 1

- PSYC 363 Fundamentals of Sensation and Perception (3.00)

- PSYC 364 Fundamentals of Cognition (3.00)

Tier 2: Psychology

Social, Personality, and Culture Content Area: Tier 2

Developmental Content Area: Tier 2

Clinical and Health Content Area: Tier 2

Behavioural Neuroscience Content Area: Tier 2

Cognitive Science Content Area: Tier 2

Social, Personality, and Culture Content Area: Tier 2

- PSYC 420 The Self in Social Context (3.00)
- PSYC 423 Emotion in the Social Context (3.00)
- PSYC 424 Cultural Psychology (3.00)
- PSYC 425 Culture, Development, and the Self (3.00)
- PSYC 426 Psychometrics (3.00)
- PSYC 427 Current Issues in Personality (3.00)
- PSYC 428 Social and Cultural Advanced Issues (3.00)

Developmental Content Area: Tier 2

- PSYC 431 Infancy (3.00)
- PSYC 432 Childhood Development (3.00)
- PSYC 433 Adolescent Development (3.00)
- PSYC 434 Aging (3.00)
- PSYC 435 Developmental Psychopathology (3.00)
- PSYC 438 Developmental Advanced Issues (3.00)

Clinical and Health Content Area: Tier 2

- PSYC 440 Psychopathology: Mood, Anxiety, and Personality Disorders (3.00)
- PSYC 441 Psychopathology: Schizophrenia and Neurocognitive Disorders (3.00)
- PSYC 442 Psychopathology: Behaviour Regulation Disorders (3.00)
- PSYC 443 Psychological Intervention Models (3.00)
- PSYC 444 Hypnosis and Dissociation (3.00)
- PSYC 445 Human Neuropsychology (3.00)
- PSYC 446 Stress (3.00)
- PSYC 447 Current Issues in Health Psychology (3.00)
- PSYC 448 Clinical Advanced Issues (3.00)

Behavioural Neuroscience Content Area: Tier 2

- NEUR 450 Neurobiology of Drug Abuse and Addiction (3.00)
- NEUR 451 Learning and Neuroplasticity (3.00)
- NEUR 452 Neurobiology of Sensation and Perception (3.00)
- NEUR 453 Neurobiology of Motivated Behaviour (3.00)
- NEUR 454 Hormones and Behaviour (3.00)
- NEUR 455 Neuropharmacology (3.00)
- NEUR 456 Functional Human Neuroanatomy (3.00)
- NEUR 457 Foundations of Animal Behaviour (3.00)
- NEUR 458 Neuroscience Advanced Issues (3.00)

Cognitive Science Content Area: Tier 2

- PSYC 460 Vision (3.00)
- PSYC 461 Computational Modelling of Human Cognition (3.00)
- PSYC 462 Memory and Attention (3.00)
- PSYC 463 Concepts and Categories (3.00)
- PSYC 464 Judgment and Decision Making (3.00)
- PSYC 465 Audition, Language, and Communication (3.00)
- PSYC 466 Cognitive Development (3.00)
- PSYC 467 Learning (3.00)

- PSYC 468 Cognitive Science Advanced Issues (3.00)

Advanced Experience Courses: Psychology

- PSYC 387 Directed Research in Psychology (3.00)
- PSYC 483 Directed Readings in Psychology (3.00)
- PSYC 485 Specialization Thesis (6.00)
- PSYC 487 Advanced Directed Research in Psychology (3.00)

Neuroscience Individualization

- BIOL 367 Molecular Biology (3.00)
- BIOL 368 Genetics and Cell Biology Laboratory (3.00)
- BIOL 371 Microbiology (3.00)
- BIOL 462 Immunology (3.00)
- BIOL 466 Advanced Techniques in Molecular Biology (3.00)
- BIOL 467 Advanced Cell Biology (3.00)
- BIOL 474 Cellular Neuroscience (3.00)
- CHEM 222 Introductory Organic Chemistry II (3.00)
- CHEM 375 Biochemistry II (3.00)
- CHEM 473 Protein-Protein Interactions (3.00)
- CHEM 476 Structure and Function of Biomembranes (3.00)
- CHEM 477 Advanced Laboratory in Biochemistry (3.00)
- EXCI 360 Neural and Hormonal Control of Human Systems (3.00)
- EXCI 455 Physical Activity, Health and Aging (3.00)
- EXCI 458 Pediatric Exercise Science (3.00)
- EXCI 471 Pain Management Strategies (3.00)
- NEUR 416 Large Data Analytics (3.00)
- NEUR 450 Neurobiology of Drug Abuse and Addiction (3.00)
- NEUR 452 Neurobiology of Sensation and Perception (3.00)
- NEUR 453 Neurobiology of Motivated Behaviour (3.00)
- NEUR 454 Hormones and Behaviour (3.00)

- NEUR 455 Neuropharmacology (3.00)
- NEUR 456 Functional Human Neuroanatomy (3.00)
- NEUR 457 Foundations of Animal Behaviour (3.00)
- NEUR 458 Neuroscience Advanced Issues (3.00)
- NEUR 460 Neuroimaging (3.00)
- PHYS 443 Quantitative Human Systems Physiology (3.00)
- PHYS 445 Principles of Medical Imaging (3.00)
- PSYC 354 Evolutionary Foundations of Psychology (3.00)
- PSYC 363 Fundamentals of Sensation and Perception (3.00)
- PSYC 445 Human Neuropsychology (3.00)
- PSYC 460 Vision (3.00)
- PSYC 461 Computational Modelling of Human Cognition (3.00)
- PSYC 462 Memory and Attention (3.00)
- PSYC 463 Concepts and Categories (3.00)
- PSYC 464 Judgment and Decision Making (3.00)
- PSYC 465 Audition, Language, and Communication (3.00)
- PSYC 466 Cognitive Development (3.00)
- PSYC 467 Learning (3.00)

Department of Psychology Courses

Quick Links

Neuroscience Courses

Psychology Courses

Neuroscience Courses

NEUR 255 Introductory Neuroscience (3 credits)

Description:

This course is an introduction to the biological bases of behaviour. The structural and functional anatomy of the central nervous system is presented, with particular emphasis on the neural pathways involved in behaviours relating to motivation, mood, learning and memory, and sensation and perception. This course explores how recent research helps in understanding the impact of normal and abnormal brain functioning on human behaviour.

Component(s):

"Lecture"

Notes:

- Students registered in a Psychology or Neuroscience program, with the exception of the Minor in Psychology, may not take this course for credit.
- Students who have received credit for PSYC 255 may not take this course for credit.

NEUR 355 Fundamentals of Neuroscience (3 credits)

Prerequisite/Corequisite:

One of the following courses must be completed previously: BIOL 200 or BIOL 201 or BIOL 202; or Cegep equivalent.

Description:

This course provides an introduction to the neural mechanisms that underlie behaviour. Topics include the structure and function of neurons, neural communication, an introduction to neuroanatomy and endocrinology, and the processing of sensory information. Students also learn how complex systems, such as the sensory and motor systems, interact to produce behaviour.

Component(s):

"Lecture"

Notes:

- Students who have received credit for BIOL 383 or PSYC 355 or PSYC 358 may not take this course for credit.

NEUR 356 Research Methods in Neuroanatomy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: NEUR 355. Permission of the Department is required for non-Neuroscience students.

Description:

The course examines research methods aimed at structural and functional brain systems. Analyses are at systems, pathway, and cellular levels. Laboratories focus on basic experimental design as well as histological and microscopic techniques. Students develop an in-depth knowledge of the structure of the mammalian brain and learn to conduct research and communicate their findings.

Component(s):

"Lecture"; "Laboratory"

NEUR 387 Directed Research in Neuroscience (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 356 ; PSYC 316. Permission of the Department is required.

Description:

Under the supervision of a faculty member, typically from within the Department, students carry out a term-long independent research project and complete a written report. The area of study is decided upon through consultation with the faculty member.

Component(s):

"Tutorial"

NEUR 416 Large Data Analytics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 356 or PSYC 310; PSYC 316.

Description:

This project-based course examines the process by which large datasets can be analyzed. Emphasis is placed on problem-solving skills and self-directed learning to find, apply, and adapt analytic tools. Students learn how to sort, filter, and statistically analyze very large datasets. They communicate their findings graphically and in written reports. Prior programming experience is recommended but not required; students lacking this background are supported independently. Students are encouraged to take NEUR 458 prior to taking this course.

Component(s):

"Lecture"

NEUR 450 Neurobiology of Drug Abuse and Addiction (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 355 or PSYC 355; NEUR 356 or PSYC 310; PSYC 315.

Description:

This course focuses on the behavioural and neuronal mechanisms involved in drug abuse and addiction. It provides students with a solid conceptual foundation of how drugs of abuse affect the brain and behaviour. Topics such as the pharmacology of drugs of abuse, drug-induced neuronal plasticity in brain regions related to motivation and reward, and the interaction between biological factors and environmental events in addiction are discussed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 361 or PSYC 450 may not take this course for credit.

NEUR 451 Learning and Neuroplasticity (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 356; PSYC 316, PSYC 351.

Description:

The course uses laboratory experiments to explore theories about morphological and functional changes in the brain that underlie learning. Laboratories introduce behavioural and cellular methods used in research. They may include Pavlovian and Instrumental forms of conditioning, tests of spatial and nonspatial learning, and invertebrate models of neurophysiology and neuroplasticity. Students develop an in-depth knowledge of vertebrate and invertebrate animal research. Students collect and analyze data and communicate their findings. Students also learn about basic animal care techniques and the ethical considerations for animal research.

Component(s):

"Lecture"; "Laboratory"

NEUR 452 Neurobiology of Sensation and Perception (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 355 or PSYC 355; NEUR 356 or PSYC 310; PSYC 315; PSYC 363.

Description:

This course examines the relation between the neurobiology of the sensory systems and perception. Topics include how the physiology and anatomy of sensory structures (e.g. eye, ear) determine how and what is perceived, comparative anatomy and evolution of sensory systems, the modularity of cortical organization, segregation and integration of information, bottom-up and top-down processing, multimodal integration, and neuroplasticity.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 365 or PSYC 452 may not take this course for credit.

NEUR 453 Neurobiology of Motivated Behaviour (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 355 or PSYC 355; NEUR 356 or PSYC 310; PSYC 315.

Description:

This course examines the neural mechanisms that mediate motivated behaviour, and provides an introduction to concepts such as goal-directed behaviour and incentive motivation. Other topics include pleasure and pain; ingestive behaviour; sexual and reproductive behaviour; aggression; temperature regulation; and sleep, arousal, and biological rhythms.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 367 or PSYC 453 may not take this course for credit.

NEUR 454 Hormones and Behaviour (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 355 or PSYC 355; NEUR 356 or PSYC 310; PSYC 315.

Description:

This course deals with the role of hormones in integrating the activity of various neural, endocrine, and sensory systems to bring about organized, purposeful behaviour. Topics include reproductive, sexual, or environmentally adaptive systems. Treatment of material ranges from the molecular to the behavioural level.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 369 or PSYC 454 may not take this course for credit.

NEUR 455 Neuropharmacology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 355 or PSYC 355; NEUR 356 or PSYC 310; PSYC 315.

Description:

This course focuses on neurochemistry and neuropharmacology relating to synaptic transmission. The chemistry and pharmacology of each major class of neurotransmitters is discussed. The pharmacological and psychological bases of drug

actions are also explored, to provide an understanding of pharmacokinetics, pharmacodynamics, and pharmacotherapeutics, as they relate to issues such as CNS disease, affective disorders, and the treatment of pain. This course is primarily intended for students wishing to pursue advanced graduate work in neuroscience or clinical psychology, or for those who are seeking to enter the health professions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 455 may not take this course for credit.

NEUR 456 Functional Human Neuroanatomy (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 355 or PSYC 355; NEUR 356 or PSYC 310; PSYC 315.

Description:

This course covers the fundamentals of human neuroanatomy with a focus on functional systems underlying motor behaviour, sensory perception, learning and memory. Special emphasis is placed on understanding how current research uses functional and structural brain imaging techniques to understand the brain, and how information is integrated across systems. Comparisons across species, as well as changes in brain structure and function in neurological disorders are addressed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 456 may not take this course for credit.

NEUR 457 Foundations of Animal Behaviour (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 355 or PSYC 355; NEUR 356 or PSYC 310; PSYC 315.

Description:

This course explores how evolutionary and developmental processes determine the form and organization of behaviour in non-human animals. Basic concepts and practices in ethology and genetics are introduced and applied to contemporary studies on development, reproduction and mating strategies, communication, foraging and predator avoidance, parental behaviour, and sociality.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 396 or PSYC 457 may not take this course for credit.

NEUR 458 Neuroscience Advanced Issues (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 356 or PSYC 310; PSYC 315. Permission of the Department is required.

Description:

This course addresses the most recent advanced issues of contemporary interest in behavioural neuroscience. The main topic of the course changes from one term to the next. Potential topics include examination of the current state of scientific study of motivation or a focused look at memory consolidation. Students should consult with the Psychology Department for information on the central course topic for the current year.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PSYC 398 number or under PSYC 458 may not take this course for credit.

NEUR 460 Neuroimaging (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 356; PSYC 316, PSYC 364.

Description:

This course examines the neuroimaging techniques that scientists use to study cognition and brain anatomy. Emphasis is placed on an understanding of the techniques, their limitations, and the interpretation of results. Laboratories focus on developing applied image analysis skills as well as the basics of experimental design and data collection. Students develop knowledge of imaging techniques and analysis tools, and learn to conduct research and communicate their findings. Prior programming experience is recommended but not required; students lacking this background will be supported to learn independently.

Component(s):

"Lecture"; "Laboratory"

NEUR 483 Directed Readings in Neuroscience (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 356; PSYC 316. Permission of the Department is required.

Description:

This course is designed for advanced students wishing to do a term-long independent, individually supervised literature research on a specific topic in psychology. This research culminates in a written report. Students should have a well-defined topic and a faculty supervisor, typically selected from within the Psychology Department, before registering for this course.

Component(s):

"Reading"

Notes:

- Students who have received credit for PSYC 436 or PSYC 483 may not take this course for credit.

NEUR 485 Specialization Thesis (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 316; NEUR 451 or NEUR 460. Permission of the Department is required.

Description:

This course provides students with experience in the design, conduct, analysis, and reporting ofresearch in an area of neuroscience. The independent research project is undertaken under the supervision of a faculty member.

Component(s):

"Lecture"

NEUR 487 Advanced Directed Research in Neuroscience (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: NEUR 485 or NEUR 495. Permission of the Department is required.

Description:

This course is intended for students who have completed a specialization or honours thesis and wish to conduct an additional research project. Under the supervision of a faculty member, typically from within the Department, students carry out a term-long independent research project and complete a written report. The area of study is decided upon through consultation with the faculty member.

Component(s):

"Tutorial"

NEUR 495 Honours Thesis (6 credits)

Prerequisite/Corequisite:

Students must be enrolled in the Honours program in Neuroscience and have already completed PSYC 316; NEUR 451 or NEUR 460. Permission of the Department is required.

Description:

This course provides students with experience in the design, conduct, analysis, and reporting ofresearch in an area of neuroscience. The independent research project is undertaken under the supervision of a faculty member.

Component(s):

"Lecture"

Psychology Courses

PSYC 205 Introductory Psychology (3 credits)

Description:

This comprehensive survey course introduces students to a wide variety of topics in scientific psychology. Topics may include the foundations of modern psychology, neural mechanisms, learning and memory, sensation and perception, motivation and emotion, cognitive processes, social influences, personality, disorders of cognition and behaviour, and therapy.

Component(s):

"Lecture"

Notes:

- Students entering all Psychology programs except the minor who have not received credit for or exemption from Introductory Psychology at Cegep or other post-secondary institutions must take this course, but not for Psychology program credit.
- Students who have received credit for PSYC 200 may not take this course for credit.
- Students who have received credit for or exemption from Introductory Psychology at Cegep or other post-secondary institutions may not take this course for credit.

PSYC 210 Critical Thinking in Psychology (3 credits)

Description:

This course provides an innovative approach to understanding how psychologists think about the mind and behaviour, ask and answer questions, and collect and interpret evidence to clarify ideas and test hypotheses. Students learn the difference between critical thinking and gullibility. Students also develop skills to identify errors and misrepresentations in information presented in the media and in viewpoints driven by agendas rather than evidence.

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 221 Foundations of Personality (3 credits)

Description:

The organization, functioning, and development of personality are discussed from the point of view of the major current theories. Evidence from empirical studies is introduced to illustrate various influences on personality. Socio-economic, cultural, and biological factors may also be considered.

Component(s):

"Lecture"

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 222 Person and Society (3 credits)

Description:

This course considers current personality and social psychology research as it relates to people's everyday lives. The focus is on blending these two research areas. The study of personality concerns itself with the psychology of the individual, individual differences, and the role of individual-level factors in explaining behaviour. In contrast, social psychology focuses on how behaviour may be influenced by social and contextual factors. Topics may include the many ways of describing the self and others, persuasion, group processes, close relationships, aggression, and prosocial behaviour.

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 223 Motivation and Emotion in Daily Life (3 credits)

Description:

Why do individuals do the things they do? Why don't individuals do the things they don't do? When confronted with challenges, what determines whether individuals persist in the face of difficulty or decide to invest their energy elsewhere? This course presents models that address the question of why individuals do the things they do. These models are related to specific topics such as appetitive behaviour, love and sexual behaviour, arousal and attention, peak performance, aggression and anger, conflict, stress, curiosity, creativity, goal-setting, and achievement.

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 230 Womb to Tomb: Psychological Transitions Across the Lifespan (3 credits)

Description:

This course studies the cognitive, socio-emotional, and physical changes and continuities that occur across the lifespan. Major theories of development are discussed and related to each of the life stages. Students also gain insight into the developmental processes that influence themselves and others.

Component(s):

"Lecture"

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.
- Students who have received credit for AHSC 220 may not take this course for credit.

PSYC 233 Adolescence (3 credits)

Description:

This course is an introduction to the study of adolescence. Topics are considered from cross-disciplinary and cross-cultural perspectives. Topics may include physical change, family relationships, friends and peers, sexual and sex-related behaviours, cognitive growth, and lifestyles.

Component(s):

"Lecture"

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.
- Students who have received credit for PSYC 280 may not take this course for credit.

PSYC 235 Storm and Stress in Childhood and Adolescence (3 credits)

Description:

This course examines the social, emotional, and behavioural problems encountered by children, youth, and parents. Manifestations of these issues range from day-to-day "normal" concerns to maladaptive and dangerous behaviours. Potential contributing biological, familial, peer, cultural, and economic factors are considered, as well as the uniquely different ways in which individuals react to what seem to be "similar" backgrounds.

Component(s):

"Lecture"

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 240 Foundations of Psychopathology (3 credits)

Description:

This course deals with major concepts and issues concerning psychopathology in humans. It considers current scientific models of diagnosis, etiology, assessment, and therapy. It reviews the major disorders of the DSM system, and explores social, learning, cognitive, biomedical, and psychodynamic approaches to major clinical disorders.

Component(s):

"Lecture"

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 241 Stress, Health, and Coping (3 credits)

Description:

Coping skills are directly related to health and to the amount of stress a person experiences. This course introduces students to research that explains how and why stress affects health. The ways in which coping skills and other recourses can effectively reduce stress are also considered. The course examines what psychologists know about stress in a research-oriented manner, giving equal attention to the physiological, psychological, and cognitive underpinnings of coping and health.

Component(s):

"Lecture"

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 242 Psychology and the Law (3 credits)

Description:

Psychology and the law interact in myriad ways. The criminal justice system, from its code to its enforcement, is based on implicit psychological assumptions about human behaviour and how it should be controlled. Those in the justice system make decisions based on evidence from observations and testimony, both of which are assumed to be gathered in an objective, unbiased manner. Those in psychological professions assume they can influence decisions made in the legal system by providing experimental evidence. This course examines the roles psychologists play in the legal system, the assumptions of both legal and psychological professional groups, and how these groups can complement one another.

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.
- Students who have received credit for PSYC 263 or for this topic under a PSYC 298 number may not take this course for credit.

PSYC 243 Learning Disabilities (3 credits)

Description:

This course deals with selected aspects of theory and practice related to learning disabilities including perceptual and motor disabilities, language disabilities, and methods of diagnosis and remediation. Issues of accurate assessment and differentiation from other forms of disability are also considered.

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.
- Students who have received credit for PSYC 281 may not take this course for credit.

PSYC 250 Drugs and Behaviour (3 credits)

Description:

This course examines various factors related to the use and abuse of licit and illicit drugs including alcohol and nicotine, depressants and stimulants, tranquilizers, opium derivatives, and hallucinogenic compounds. One of the main themes emphasized is why some people lose their ability to socially and physiologically regulate their intake. The course material focuses on the prevalent concepts in the field, theoretical models guiding researchers and clinicians, and approaches to intervention.

Component(s):

"Lecture"

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

- Students who have received credit for PSYC 261 or for this topic under a PSYC 298 number may not take this course for credit.

PSYC 251 Learning and Memory in Daily Life (3 credits)

Description:

This course examines current research on learning and memory and introduces students to a variety of topics in this area. Theories of learning and memory are related to examples from everyday life. Specific topics may include memory accuracy, techniques for improving study skills and school performance, animal training, sports training, strategies for memory improvement, strategies for changing bad habits, and child discipline.

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 264 Perception and Cognition in Daily Life (3 credits)

Description:

This course introduces topics related to perception and cognition. The emphasis of the course is on how humans acquire, store, and use information in real-world contexts. Topics covered include reading, object perception, art and motion pictures, language processing, music, problem solving, and planning.

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.
- Students who have received credit for PSYC 249 or for this topic under a PSYC 298 number may not take this course for credit.

PSYC 297 Selected Topics in Psychology (3 credits)

Description:

This course is designed as elective courses for students who are not registered in a Psychology program. This course covers a wide variety of areas of contemporary interest. The particular topic varies from one term to the next and the material is dealt with in a manner appropriate for students who have minimal formal background in psychology.

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 298 Selected Topics in Psychology (3 credits)

Description:

This course is designed as elective courses for students who are not registered in a Psychology program. This course covers a wide variety of areas of contemporary interest. The particular topic varies from one term to the next and the material is dealt with in a manner appropriate for students who have minimal formal background in psychology.

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 299 Selected Topics in Psychology (6 credits)

Description:

This course is designed as elective courses for students who are not registered in a Psychology program. This course covers a wide variety of areas of contemporary interest. The particular topic varies from one term to the next and the material is dealt with in a manner appropriate for students who have minimal formal background in psychology.

Notes:

- Students registered in a Psychology or Neuroscience program may not take this course for credit.

PSYC 305 History and Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PSYC 205 or equivalent.

Description:

This introductory course examines the historical background of psychology beginning with ancient Greece, the Middle Ages, and the Renaissance, through the William James era. Early contributions to psychology from the fields of philosophy, religion, physics, physiology, and psychophysics are presented and related to the various psychological schools of thought of the 19th century. Students gain an understanding of how cultural and social forces and various scientific paradigms shaped psychological theory and how psychological perspectives contribute to social life.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 320 may not take this course for credit.

PSYC 310 Research Methods in Psychology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PSYC 205 or equivalent.

Description:

This course describes the methods used by psychology researchers to obtain information and understand psychological phenomena and processes. Students learn how research studies are conceptualized and conducted, and how data are analyzed and interpreted within specific areas of psychology. Observational, experimental, and correlational techniques are

presented in the context of ongoing research, to enable students to develop a conceptual understanding of the procedures used to develop and evaluate hypotheses and theories in psychology.

Component(s):

"Conference"; "Laboratory"

PSYC 311 Advanced Research Methods and Scientific Writing in Psychology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315. The following course must be completed previously or concurrently: PSYC 316. Permission of the Department is required.

Description:

This course is an advanced exploration of research methods intended for students who wish to pursue further studies in scientific research. Students extend their understanding of various research methodologies through critical analysis and discussion of empirical studies. Students hone their scientific writing and revising skills through weekly activities and exercises, culminating in the development of a substantive writing project.

Component(s):

"Lecture"; "Laboratory"

PSYC 315 Statistical Analysis I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PSYC 310 or NEUR 356 or equivalent. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an introduction to statistical analyses in the context of psychology research. Topics may include visual displays of data, measures of central tendency and dispersion, the normal curve, probability and sampling distributions, estimation in the context of one- and two-sample designs, correlation, and simple linear regression. There is also a discussion of significance tests and the controversy about their use in psychology. These topics are covered in lectures and in weekly laboratory sessions where students learn how to perform statistical analyses both manually and with specialized software.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for BIOL 322, COMM 215, DESC 244, ECON 221 and ECON 222, GEOG 362, MAST 333, SOCI 212 and SOCI 213, or STAT 249 and STAT 250 may not take this course for credit.

PSYC 316 Statistical Analysis II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315.

Description:

This course is an extension of PSYC 315. It is designed to advance students' understanding of hypothesis testing and statistical inferences. The course presents the general linear model, which subsumes multiple regression, analysis of variance (ANOVA), and analysis of covariance (ANCOVA). As well, the course deals in detail with the limits of nullhypothesis significance testing (NHST) and reviews alternatives to NHST including confidence intervals, measures of effect size, and metaanalysis.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for ECON 221 and ECON 222, MAST 221, MAST 333, or STAT 249 and STAT 250 may not take this course for credit.

PSYC 319 Qualitative Inquiry (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PSYC 310.

Description:

This course introduces students to the principles and practice of qualitative research. Students learn about various qualitative research design types, including but not limited to observation, interviewing, and focus groups. Ethical and methodological considerations involved in qualitative research related to participant observation, analytic approaches to interpretation (e.g. content analysis, thematic analysis, and grounded theory) and presentation of qualitative data are discussed. Students are expected to undertake their own qualitative research project and communicate their findings in accordance with accepted academic standards.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PSYC 448 or PSYC 428 number may not take this course for credit.

PSYC 321 Fundamentals of Personality (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PSYC 310 or NEUR 356.

Description:

This course is an introduction to theories of personality. The development, structure, and correlates of personality are presented from the viewpoint of major classical and current theories. Theories may include trait, biological, learning, and cognitive perspectives, as well as psychodynamic, humanistic, and existential perspectives. Through the examination of specific studies and the discussion of general methodological principles of personality research, emphasis is placed on the role of research in shaping and validating theories of personality.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 326 may not take this course for credit.

PSYC 325 Fundamentals of Social Psychology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PSYC 310 or NEUR 356.

Description:

This course is an introduction to social psychology. It covers the scientific study of how people's thoughts, feelings, and behaviours are influenced by the presence of others. Topics discussed may include social and self perception; attitudes and attitude change; and conformity, group processes, interpersonal attraction, prosocial behaviour, aggression, and prejudice.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 331 may not take this course for credit.

PSYC 333 Fundamentals of Lifespan Development (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PSYC 310 or NEUR 356.

Description:

This course is an introduction to developmental psychology. It provides a broad survey of psychological research and theories about human development across the lifespan. It emphasizes the interaction of physical, cognitive, and socio-emotional domains in development from infancy to old age. Although the main focus of the course is on normative development, aspects of abnormal development may be covered. Specific methodological challenges and procedures relevant to developmental research are also discussed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 371 may not take this course for credit.

PSYC 340 Fundamentals of Psychopathology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PSYC 310 or NEUR 356.

Description:

This course is an introduction to psychopathology. The course deals with major concepts and issues in the study of psychopathology. It focuses on the major models of etiology, diagnosis, prognosis, assessment, and treatment, and presents the major disorders and five axes of the DSM system. Behavioural, cognitive, social learning, neurobiological, sociocultural, evolutionary, and psychodynamic approaches to psychopathology are covered, with an emphasis on research and methodology throughout.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 322 may not take this course for credit.

PSYC 341 Fundamentals of Health Psychology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: PSYC 310 or NEUR 356.

Description:

This course is an introduction to the multidisciplinary field of health psychology. Issues relating to health and illness across the lifespan, including health promotion and maintenance, prevention and treatment of illness, etiology and correlates of health, illness and dysfunction, and the health care system are covered from a biopsychosocial perspective. Topics such as social support, smoking, stress, cardiovascular disease, pain, and cancer are also presented.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 392 may not take this course for credit.

PSYC 342 Forensic Psychology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356 ; PSYC 340.

Description:

This course critically examines research and theory relating to a number of selected issues of contemporary interest in forensic psychology. Topics such as the admissibility of scientific evidence, eye-witness testimony, trauma and memory, jury selection, clinical and actuarial profiling, psychopathy, serial offenders, the validity of psychiatric examinations and lie detectors, the insanity defence, and expert testimony are presented in light of recent Canadian and American legal decisions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 328 or for this topic under a PSYC 398 number may not take this course for credit.

PSYC 351 Fundamentals of Learning (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PSYC 310 or NEUR 356.

Description:

This course is an introduction to theories and empirical findings concerning basic mechanisms of learning and memory in humans and non-human animals. Topics covered may include the study of learning in historical perspective, Pavlovian conditioning, operant conditioning, reinforcement, stimulus control of behaviour, types of memory, self-control and observational learning, and behavioural paradigms used in contemporary research on learning and memory.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 346 may not take this course for credit.

PSYC 354 Evolutionary Foundations of Psychology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PSYC 310 or NEUR 356.

Description:

This course examines the ways that evolutionary thought has influenced the study of behaviour. Fundamental evolutionary processes are introduced, and ideas about how those processes may have shaped human and animal behaviour are considered. Additional topics include biological and cognitive continuity among species, sources of individual differences in behavioural traits, evolutionarily stable strategies and states, methods of testing evolutionary hypotheses about behaviour, and the comparative method in psychology.

Component(s):

"Lecture"

PSYC 363 Fundamentals of Sensation and Perception (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: PSYC 310 or NEUR 356; NEUR 355 .

Description:

This course introduces the physiological and psychological mechanisms of sensation and perception. Thorough treatment is given to questions of how information about the world is acquired through visual and auditory systems, and other modalities, that together is used with stored information to create an ongoing mental representation of the world. Topics such as pitch

perception, speech perception, perception of movement, size and space perception, illusions, and distance and textures may be covered.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 349 may not take this course for credit.

PSYC 364 Fundamentals of Cognition (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PSYC 310 or NEUR 356.

Description:

This course introduces cognitive psychology. Theoretical perspectives and experimental findings that inform the current understanding of how humans acquire, represent, and use knowledge are presented and discussed. Topics include attention, memory, categorization, language, and thinking. This course allows students to gain familiarity with topics and concepts necessary to pursue advanced studies in cognition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 352 may not take this course for credit.

PSYC 372 Personnel Psychology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PSYC 310 or NEUR 356.

Description:

This course focuses on the contributions of psychology to several human resource considerations in organizations. Topics include personnel selection, training methods, personnel appraisal, and career development. This is an applied area of psychology, and therefore the interplay between theory, research, and application is emphasized.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 385 may not take this course for credit.

PSYC 374 Organizational Psychology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: PSYC 310 or NEUR 356.

Description:

Understanding psychology can help organizations reach their goals, retain their workforce, and make themselves attractive to future employees and investors. This applied psychology course focuses on research and theories relevant to the behaviour of managers and employees. Topics include the history of Industrial/Organizational(I/O) psychology; organizational development and communication; motivation, personality, and leadership; employee satisfaction and commitment; group behaviour; negotiation and conflict resolution; and job stress.

Component(s):

"Lecture"

PSYC 387 Directed Research in Psychology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 311, PSYC 316. Permission of the Department is required.

Description:

Under the supervision of a faculty member, typically from within the Department, students carry out a term-long independent research project and complete a written report. The area of study is decided upon through consultation with the faculty member.

Component(s):

"Tutorial"

Notes:

- Students who have received credit for PSYC 439 may not take this course for credit.

PSYC 411 Psychophysiology, Wearables, and Health (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310, PSYC 315. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces students to the field of psychophysiology. Psychophysiology is the interface of psychological states and physiological responses. Students learn basic principles and theories of psychophysiology and relevant physiological systems. As well, they learn practical knowledge of psychophysiological measurement through classroom demonstrations. Traditional measures include heart rate, blood pressure, muscle tension, respiration, galvanic skin response (sweat), and brain activity (EEG, ERP). Students learn to evaluate primary literature involving physiological measures. An experiential component of the course introduces hands-on measurement where students learn specific techniques and real-life methodological applications of psychophysiological measurement for biofeedback, sleep studies (polysomnography), and detection of deception (lie detection), among others.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PSYC 447 number may not take this course for credit.

PSYC 420 The Self in Social Context (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 325.

Description:

This course addresses a wide range of theoretical and empirical approaches to the self in contemporary social psychology. Self-esteem and self-concept are addressed in terms of social context, personal and social norms, affective experience, and interpersonal behaviour. Other topics covered may include narcissism, self-presentation, self-regulation, egocentrism, and limits to self-knowledge. Issues relating to gender, gender identity, and the development of gender roles and gender differences in the social context may also be discussed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 332 may not take this course for credit.

PSYC 423 Emotion in the Social Context (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315; and PSYC 321 or PSYC 325.

Description:

This course focuses on how emotion influences attention, memory, evaluation, and behaviour in the social domain. This course addresses models of emotion and individual differences in emotion and mood. In addition, particular attention is paid to a number of specific emotions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 334 may not take this course for credit.

PSYC 424 Cultural Psychology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315; PSYC 321 or PSYC 325.

Description:

This course introduces cultural and cross-cultural perspectives in psychology. It focuses on theoretical assumptions and research methods specific to these perspectives, and covers research on the ways in which culture both emerges from, and shapes basic psychological processes. Specific topics include evolution and culture; cultural differences in self-concept and value systems; acculturation, cultural contact, and adaptation; culture and cognition; and cultural variation in psychopathology, health, and therapy.

Component(s):

"Lecture"

PSYC 425 Culture, Development, and the Self (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315; PSYC 325 or PSYC 333.

Description:

This course examines cultural variations in developmental processes and outcomes, especially as they are related to the self-concept. Following a presentation of the basic concepts in the understanding of development and of culture, particular domains of development are examined according to how they vary across cultural contexts. Examples of domains include moral development, parent-child interaction, education, and suicide. The overarching goal is to describe human development as taking place within a cultural milieu, the consequences of this perspective for fundamental issues in psychology and the social sciences, and the implications for the challenges of pluralism, globalization, and public policy.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PSYC 398 number may not take this course for credit.

PSYC 426 Psychometrics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315.

Description:

In this course, consideration is given to the general theory of psychological measurement and its application in the development and use of various psychometric instruments such as achievement, intelligence, aptitude, personality, and interest tests. Derived scores, norms, reliability, and validity of these instruments are discussed in the context of general measurement problems in psychology. Item analysis, signal-detection theory, diagnostics, and non-questionnaire methods may also be discussed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 318 may not take this course for credit.

PSYC 427 Current Issues in Personality (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 321.

Description:

This course critically examines selected contemporary issues in personality psychology with a focus on recent research findings. The importance of personality in explaining behaviours, personal beliefs, developmental outcomes, and quality of life is considered.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 327 may not take this course for credit.

PSYC 428 Social and Cultural Advanced Issues (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315. Permission of the Department is required.

Description:

This course addresses the most recent advanced issues of contemporary interest in social and cultural psychology. The main topic of the course changes from one term to the next. Potential topics include social cognition, aggression and violence, experimental-existential psychology, social-cultural neuroscience, or culture and evolution. Students should consult with the Psychology Department for information on the central course topic for the current year.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PSYC 398 number may not take this course for credit.

PSYC 431 Infancy (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 333.

Description:

This course provides a comprehensive account of psychological development in infancy. Aspects of infant development such as physical, perceptual, cognitive, verbal, emotional, and social development are covered. Theoretical perspectives and research methods specific to the study of infant development are emphasized. Students acquire the intellectual tools necessary to relate findings from infant research to policy and parenting decisions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 373 may not take this course for credit.

PSYC 432 Childhood Development (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 333.

Description:

This course provides an analysis of theories pertaining to the basic processes of development during early childhood and school-age periods. A broad range of theoretical positions and methodological strategies are presented. Emphasis is on physical, cognitive, emotional, social, and personality development and the origins of individual differences in adjustment and well-being. Particular attention is given to cultural variability in development and to developmental differences between girls and boys.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 375 may not take this course for credit.

PSYC 433 Adolescent Development (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 333.

Description:

This course provides an overview of theory and research relating to multiple domains of development during adolescence. Topics include hormonal processes, physical and cognitive development, peer and parent-adolescent relations, family processes, gender roles, identity formation, sexuality, delinquency, drug abuse, suicide, and psychological disorders in adolescents. When possible, topics are considered from cross-cultural and historical perspectives.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 379 may not take this course for credit.

PSYC 434 Aging (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 333.

Description:

This course covers recent developments in the psychology of aging. Topics include age-related changes in physiology, biology, and in sensory and cognitive functioning. Particular attention is given to the effects of these age-related changes on behaviour, personality, interpersonal functioning, gender roles, coping, and adjustment. Methodological considerations in aging research are also discussed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 380 may not take this course for credit.

PSYC 435 Developmental Psychopathology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315; PSYC 333 or PSYC 340.

Description:

Using principles of developmental and clinical psychology, this survey course focuses primarily on understanding the pathways to abnormal adjustment in childhood and adolescence. The origins of deviant and competent behaviour are examined, with special attention to the multiplicity of possible risk factors and causal processes, assessment of problems and diagnoses, and the efficacy of interventions. Students are also introduced to a number of behavioural problems such as attention-deficit and hyperactivity disorder; aggression, externalizing problems, and disruptive behaviour disorders; internalizing problems, anxiety, and mood disorders; learning disabilities; mental retardation; and autism.

Notes:

- Students who have received credit for PSYC 377 may not take this course for credit.

PSYC 438 Developmental Advanced Issues (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315. Permission of the Department is required.

Description:

This course addresses the most recent advanced issues of contemporary interest in developmental psychology. The main topic of the course changes from one term to the next. Potential topics include social, cognitive, language, or personality development. Students should consult with the Psychology Department for information on the central course topic for the current year.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PSYC 398 number may not take this course for credit.

PSYC 440 Psychopathology: Mood, Anxiety, and Personality Disorders (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 340.

Description:

This course presents a focused and thorough investigation of mood and anxiety disorders. Problems studied include depressive, bipolar, and anxiety disorders. Relevant somatoform (e.g. hypochondriasis) and personality (e.g. avoidant, dependent) disorders may also be discussed. Topics include contemporary theory, classification issues, and ongoing controversies, with an emphasis on current research.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 323 may not take this course for credit.

PSYC 441 Psychopathology: Schizophrenia and Neurocognitive Disorders (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 340.

Description:

This course presents a focused and thorough investigation of schizophrenia and the neurocognitive disorders. Problems studied include schizophrenia and related psychotic disorders (e.g. delusional disorder, schizoaffective disorder). Relevant personality (e.g. paranoid, schizotypal) disorders may also be discussed. Topics may include contemporary theory, and the neurobiological, neurophysiological and neuroanatomical correlates of the disorders, as well as their genetic basis. The course focuses on data from the human brain imaging studies, with an emphasis on current research.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 324 may not take this course for credit.

PSYC 442 Psychopathology: Behaviour Regulation Disorders (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 340.

Description:

This course presents a focused and thorough investigation of psychopathology resulting from disorders of behaviour regulation. Problems studied include eating, substance use, and impulse-control disorders. Relevant sexual, gambling, and

personality (e.g. borderline, antisocial) disorders may also be discussed. Topics include contemporary theory, classification issues, and current controversies, with an emphasis on current research.

Component(s):

"Lecture"

PSYC 443 Psychological Intervention Models (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 340.

Description:

This course presents a focused and thorough investigation of major approaches to psychological intervention. It focuses on general principles of therapy, research methods for the study of process and outcome, and the contrasts between various theories and modalities. Topics include cognitive behavioural therapy, psychodynamic psychotherapy, humanistic- existential therapy, couples and family therapy, group therapy, and motivational interviewing. Professional and ethical issues pertaining to clinical psychologists and clinical psychology research may also be discussed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PSYC 398 number may not take this course for credit.

PSYC 444 Hypnosis and Dissociation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 340.

Description:

This course critically examines research, theory, and methodological approaches relating to a number of selected issues of contemporary interest in the area of hypnosis and dissociative phenomena. Experimental and applied research on selected topics such as recovered memory, dissociation, pain and psychosomatic disorders, social and cognitive correlates of hypnotic responses, and the issue of coercion is reviewed. The forensic and clinical uses and abuses of hypnosis are surveyed and contrasted to experimental findings.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 330 or for this topic under a PSYC 398 number may not take this course for credit.

PSYC 445 Human Neuropsychology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315; PSYC 355 or NEUR 355.

Description:

This course is a general introduction to human neuropsychology. Topics discussed include principles of brain organizations and function, human neuroimaging and recording techniques, the contribution of clinical patients and single case studies, selected neurological disorders, and cognitive neuroscience. Emphasis is on how these issues can be meaningfully related to human behaviour, emotion, sensory perception, and higher cognitive processes.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 359 may not take this course for credit.

PSYC 446 Stress (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315; PSYC 355 or NEUR 355; PSYC 340 or PSYC 341.

Description:

This course examines how the evolutionary and adaptive stress response has come to contribute to health and pathology in modern society. The major endocrine, neurobiological, and cognitive underpinnings of the stress response are covered, and current stress research is discussed. Topics include the role of stress in aging, memory, depression, drug abuse, post-traumatic stress disorder, and the consequences of exposure to stress and adversity.

Component(s):

"Lecture"

PSYC 447 Current Issues in Health Psychology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 341.

Description:

This course offers a focused treatment of selected advanced topics in health psychology. Potential topics include psychosocial and environmental antecedents of disease, adaptation to medical illness, approaches to improve health and manage disease, pediatric psychology, and mechanisms by which psychosocial and environmental characteristics get inside the body to influence health.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 393 may not take this course for credit.

PSYC 448 Clinical Advanced Issues (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315. Permission of the Department is required.

Description:

This course addresses the most recent advanced issues of contemporary interest in clinical psychology. The main topic of the course changes from one term to the next. Potential topics include neurobiology of psychopathology, functional somatic syndromes, personality and psychopathology, psychotherapy process research, or epidemiology of psychological disorders. Students should consult with the Psychology Department for information on the central course topic for the current year.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PSYC 398 number may not take this course for credit.

PSYC 460 Vision (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 363.

Description:

This course builds on the introduction to the visual system developed in PSYC 363. Topics are examined from the psychophysical, computational, and physiological perspectives and may include advanced treatment of colour, motion, and texture perception; spatial vision; object, face, and scene recognition; eye movement control; flow fields; attention; and perception-in-action.

Component(s):

"Lecture"

PSYC 461 Computational Modelling of Human Cognition (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315; PSYC 363 or PSYC 364.

Description:

This course reviews the history of the view of mind as machine and the various computational metaphors that have helped in understanding the particular kind of computational device the brain is. The course explores the ways in which computational models of mind are implemented and can be tested against psychological theories and data. Students learn how to construct simplified representations of reality based on rule-based processes to recreate aspects of human cognition.

PSYC 462 Memory and Attention (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 364.

Description:

This course provides an advanced introduction to theories and empirical research on memory and attention. Topics include various memory systems and mechanisms, including long- and short-term memory, working, episodic, and semantic memory. The course also addresses research on attentional processes such as switching, selective, and divided attention.

Component(s):

"Lecture"

PSYC 463 Concepts and Categories (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 364.

Description:

This course provides an advanced introduction to theories of conceptual representation and processes of categorization. It reviews the empirical research in these fields, including studies with normal and impaired populations.

Component(s):

"Lecture"

PSYC 464 Judgment and Decision Making (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 364.

Description:

This course is an introduction to the cognitive and affective processes involved in evaluating options and choosing between them. Major theories and empirical studies are reviewed from an interdisciplinary perspective that includes both cognitive science and neuroscience and that draws on research carried out on humans and on other animals.

Component(s):

"Lecture"

PSYC 465 Audition, Language, and Communication (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 364.

Description:

This course covers the cognitive, developmental, and social aspects of language and human communication. Topics may include linguistic theory, language acquisition, language comprehension and production, the biological bases of language, reading, speech perception, and second-language development.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 395 may not take this course for credit.

PSYC 466 Cognitive Development (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315; PSYC 333 or PSYC 364.

Description:

This course provides an advanced introduction to the development of children's thinking, from infancy through the elementary-school years. The goal of the course is to familiarize students with recent theory and research on the cognitive development in children. Topics include the development of language, perception, concept, social cognition, and memory.

Component(s):

"Lecture"

PSYC 467 Learning (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315, PSYC 351.

Description:

This course is a continuation of PSYC 351; it presents a more focused and thorough treatment of more advanced topics in learning. These may include developmental aspects of learning, animal memory and cognition, human applications of conditioning principles, biological constraints on learning, and the physiology of learning and memory. Different sections of the course may cover different sets of topics.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PSYC 347 may not take this course for credit.

PSYC 468 Cognitive Science Advanced Issues (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 310 or NEUR 356; PSYC 315. Permission of the Department is required.

Description:

This course addresses the most recent advanced issues of contemporary interest in cognitive science. The main topic of the course changes from one term to the next. Possible topics include memory, attention, concept formation, category representation, decision-making, reasoning, language, intelligence, creativity, skill acquisition, cognitive and language development, or the neural bases of cognitive functioning. Students should consult with the Psychology Department for information on the central course topic for the current year.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a PSYC 398 number may not take this course for credit.

PSYC 483 Directed Readings in Psychology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 311, PSYC 316. Permission of the Department is required.

Description:

This course is designed for advanced students wishing to do a term-long independent, individually supervised literature research on a specific topic in psychology. This research culminates in a written report. Students should have a well-defined topic and a faculty supervisor, typically selected from within the Psychology Department, before registering for this course.

Component(s):

"Reading"

Notes:

- Students who have received credit for NEUR 483 or PSYC 436 may not take this course for credit.

PSYC 485 Specialization Thesis (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 311, PSYC 316. Permission of the Department is required.

Description:

This course provides students with experience in the design, conduct, analysis, and reporting of research in an area of psychology. The independent research project is undertaken under the supervision of a faculty member.

Component(s):

"Seminar"; "Laboratory"

Notes:

- Students who have received credit for PSYC 400 may not take this course for credit.

PSYC 487 Advanced Directed Research in Psychology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PSYC 485 or PSYC 495. Permission of the Department is required.

Description:

This course is intended for students who have completed a specialization or honours thesis and wish to conduct an additional research project. Under the supervision of a faculty member, typically from within the Department, students carry out a term-long independent research project and complete a written report. The area of study is decided upon through consultation with the faculty member.

Component(s):

"Tutorial"

PSYC 490 Honours Seminar Topics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 311, PSYC 316. Permission of the Department is required.

Description:

The aim of this seminar is to provide a forum for the discussion of topics relating to current knowledge, theory, and methods in psychology, and to help students achieve a critical understanding of psychology. Topics may include learning, interpersonal relations, human development, perception, cognition, subjective well-being, or language. Emphasis is on current theory as it relates to selected topics within psychology.

Component(s):

"Seminar"; "Tutorial"

Notes:

- Students who have received credit for PSYC 421 may not take this course for credit.

PSYC 491 Honours Seminar Issues (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 311, PSYC 316. Permission of the Department is required.

Description:

The aim of this seminar is to provide a forum for the discussion of issues relating to current knowledge, theory, and methods in psychology, and to help students achieve a critical understanding of psychology. Issues may include social and developmental processes, motivation, emotion, or the biological bases of behaviour. Selected issues from these areas are discussed from theoretical perspectives specific to given phenomena.

Component(s):

"Seminar"; "Tutorial"

Notes:

- Students who have received credit for PSYC 422 may not take this course for credit.

PSYC 495 Honours Thesis (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PSYC 311, PSYC 316.

Description:

This course provides students with experience in the design, conduct, analysis, and reporting of research in an area of psychology. The independent research project is undertaken under the supervision of a faculty member.

Component(s):

"Seminar"; "Laboratory"

Notes:

- Students who have received credit for PSYC 430 may not take this course for credit.

Section 31.270 Department of Religions and Cultures

Department of Religions and Cultures

Religions and Cultures Programs

Iranian Studies

- Minor in Iranian Studies
- Certificate in Iranian Studies

Judaic Studies

- BA Honours in Judaic Studies
- BA Major in Judaic Studies
- Minor in Judaic Studies

Religions and Cultures

- BA Honours in Religions and Cultures
- BA Major in Religions and Cultures
- Minor in Religions and Cultures
- Religions and Cultures Course Groups

Southern Asia Studies

- BA Major in Southern Asia Studies
- Minor in Southern Asia Studies
- Southern Asia Studies Course Groups

Department of Religions and Cultures Courses

Department of Religions and Cultures

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/religions-cultures.html

Department Objectives

The Department of Religions and Cultures is dedicated to the academic study of various faiths and of social and cultural phenomena affected by religions. The curriculum includes the comparative study of many religious traditions of the world. At both the undergraduate and graduate levels, students are encouraged to develop an understanding of at least two religious traditions. Whatever the student's special focus, the informed appreciation of the beliefs and values of other cultures is considered an essential dimension of education for today's world.

Minor in Iranian Studies

Program Requirements

Minor in Iranian Studies (24 credits)

12 credits chosen from:

- RELI 227 Introduction to Iranian Civilization (3.00)
- RELI 306 Religion and Society in Contemporary Iran (3.00)
- RELI 313 Zoroastrianism (3.00)
- RELI 317 Sufism (3.00)
- RELI 318 Shiite Islam (3.00)

12 credits chosen from any courses related to Iran in various departments at Concordia approved by the undergraduate advisor, including those not already taken at the first level of requirement. Examples of courses offered at various times include Pahlavi and other ancient Iranian languages, Modern Persian, Iranian Mythology, Manichaeism, Avesta, and Classical Persian Music. Students may also request credit for Iran-related courses taught at other Quebec universities.

Notes

- Students are responsible for satisfying their particular degree requirements.

Certificate in Iranian Studies

Program Requirements

Note: Admission to this program is suspended.

Certificate in Iranian Studies (30 credits)

15 credits:

- RELI 227 Introduction to Iranian Civilization (3.00)
- RELI 306 Religion and Society in Contemporary Iran (3.00)
- RELI 313 Zoroastrianism (3.00)
- RELI 317 Sufism (3.00)
- RELI 318 Shiite Islam (3.00)

15 credits chosen from any courses related to Iran in various departments at Concordia approved by the undergraduate advisor, including those not already taken at the first level of requirement. Examples of courses offered at various times include Pahlavi and other ancient Iranian languages, Modern Persian, Iranian Mythology, Manichaeism, Avesta, and Classical Persian Music. Students may also request credit for Iran-related courses taught at other Quebec universities.

Notes

- Students are responsible for satisfying their particular program requirements.

BA Honours in Judaic Studies

Program Requirements

Honours in Judaic Studies (60 credits)

12 credits chosen from:

- RELI 220 Introduction to Judaism (3.00)
- RELI 301 The Hebrew Bible (3.00)
- RELI 326 Ancient Judaism (3.00)
- RELI 327 Medieval Jewish Thought and Institutions (3.00)
- RELI 328 Modern Judaism (3.00)

9 credits in Hebrew language, typically chosen from:

- HEBR 210 Introductory Course in Hebrew (6.00)
- HEBR 241 Intermediate Hebrew I (3.00)
- HEBR 242 Intermediate Hebrew II (3.00)
- RELI 401 Studies in Hebrew Texts (3.00)

Note: Students who demonstrate proficiency in Hebrew may substitute religion courses at the 300 or 400 level approved by the undergraduate advisor.

3 credits chosen from:

- RELI 209 The Religious Imagination (3.00)
- RELI 210 Religion in Practice (3.00)
- RELI 214 Religions of the West (3.00)
- RELI 215 Religions of Asia (3.00)

27 credits of electives chosen from courses in Judaism at the 200, 300, or 400 level.

It is recommended that students take at least one 400-level course. Up to 12 credits may be substituted with courses in a related tradition and 12 credits with courses in a related language such as Hebrew, Aramaic, or Yiddish, for a maximum of 15 credits combined.

3 credits:

- RELI 409 Methodology and the Study of Religion (3.00)

6 credits:

- RELI 410 Honours Thesis (6.00)

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Judaic Studies

Program Requirements

Major in Judaic Studies (42 credits)

12 credits chosen from:

- RELI 220 Introduction to Judaism (3.00)
- RELI 301 The Hebrew Bible (3.00)
- RELI 326 Ancient Judaism (3.00)
- RELI 327 Medieval Jewish Thought and Institutions (3.00)
- RELI 328 Modern Judaism (3.00)

9 credits in Hebrew language, typically chosen from:

- HEBR 210 Introductory Course in Hebrew (6.00)
- HEBR 241 Intermediate Hebrew I (3.00)
- HEBR 242 Intermediate Hebrew II (3.00)
- RELI 401 Studies in Hebrew Texts (3.00)

Note: Students who demonstrate proficiency in Hebrew may substitute religion courses at the 300 or 400 level approved by the undergraduate advisor.

3 credits chosen from:

- RELI 209 The Religious Imagination (3.00)
- RELI 210 Religion in Practice (3.00)
- RELI 214 Religions of the West (3.00)
- RELI 215 Religions of Asia (3.00)

15 credits of electives chosen from courses in Judaism at the 200, 300, or 400 level. It is recommended that students take at least one 400-level course. Up to six credits may be substituted with courses in related traditions and related languages such as Hebrew, Aramaic, or Yiddish.

3 credits:

- RELI 409 Methodology and the Study of Religion (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Judaic Studies

Program Requirements

Minor in Judaic Studies (24 credits)

9 credits chosen from:

- RELI 220 Introduction to Judaism (3.00)
- RELI 301 The Hebrew Bible (3.00)
- RELI 326 Ancient Judaism (3.00)
- RELI 327 Medieval Jewish Thought and Institutions (3.00)
- RELI 328 Modern Judaism (3.00)

3 credits chosen from:

- RELI 209 The Religious Imagination (3.00)
- RELI 210 Religion in Practice (3.00)
- RELI 214 Religions of the West (3.00)
- RELI 215 Religions of Asia (3.00)

12 credits of electives chosen from courses in Judaism at the 200, 300, or 400 level. Up to six credits may be substituted with courses in related traditions and related languages such as Hebrew, Aramaic, or Yiddish.

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Honours in Religions and Cultures

Program Requirements

Honours in Religions and Cultures (60 credits)

12 credits in a language related to thesis; or in a related discipline such as Anthropology, Classics, English Literature, History, Philosophy, Sociology, Women's Studies

6 credits chosen from:

- RELI 209 The Religious Imagination (3.00)
- RELI 210 Religion in Practice (3.00)
- RELI 214 Religions of the West (3.00)
- RELI 215 Religions of Asia (3.00)
- RELI 220 Introduction to Judaism (3.00)
- RELI 223 Introduction to Christianity (3.00)
- RELI 224 Introduction to Islam (3.00)
- RELI 225 Introduction to Hinduism (3.00)
- RELI 226 Introduction to Buddhism (3.00)
- RELI 227 Introduction to Iranian Civilization (3.00)

15 credits chosen from the following groups:

Tradition

Region

12 credits chosen from the following groups:

Themes in Religions and Cultures

Women, Gender, and Sexuality

6 credits chosen from Religions and Cultures Courses at the 300 or 400 level

3 credits:

- RELI 409 Methodology and the Study of Religion (3.00)

6 credits:

- RELI 410 Honours Thesis (6.00)

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Religions and Cultures

Program Requirements

Major in Religions and Cultures (42 credits)

6 credits chosen from:

- RELI 209 The Religious Imagination (3.00)
- RELI 210 Religion in Practice (3.00)
- RELI 214 Religions of the West (3.00)
- RELI 215 Religions of Asia (3.00)
- RELI 220 Introduction to Judaism (3.00)
- RELI 223 Introduction to Christianity (3.00)
- RELI 224 Introduction to Islam (3.00)
- RELI 225 Introduction to Hinduism (3.00)
- RELI 226 Introduction to Buddhism (3.00)
- RELI 227 Introduction to Iranian Civilization (3.00)

15 credits chosen from the following groups:

Tradition

Region

12 credits chosen from the following groups:

Themes in Religions and Cultures

Women, Gender, and Sexuality

6 credits chosen from Religions and Cultures Courses at the 300 or 400 level

3 credits:

- RELI 409 Methodology and the Study of Religion (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Religions and Cultures

Program Requirements

Minor in Religions and Cultures (24 credits)

6 credits chosen from:

- RELI 209 The Religious Imagination (3.00)
- RELI 210 Religion in Practice (3.00)
- RELI 214 Religions of the West (3.00)
- RELI 215 Religions of Asia (3.00)
- RELI 220 Introduction to Judaism (3.00)
- RELI 223 Introduction to Christianity (3.00)
- RELI 224 Introduction to Islam (3.00)
- RELI 225 Introduction to Hinduism (3.00)
- RELI 226 Introduction to Buddhism (3.00)
- RELI 227 Introduction to Iranian Civilization (3.00)

18 credits of electives from Religions and Cultures Courses, chosen in consultation with the departmental advisor

Notes

- Students are responsible for satisfying their particular degree requirements.

Religions and Cultures Course Groups

Region

- RELI 214 Religions of the West (3.00)
- RELI 215 Religions of Asia (3.00)
- RELI 227 Introduction to Iranian Civilization (3.00)
- RELI 250 Decolonizing the Local: Concordia University and Montreal (3.00)
- RELI 306 Religion and Society in Contemporary Iran (3.00)
- RELI 308 Christianity in North America (3.00)
- RELI 315 Muslim Cultures in Southern Asia (3.00)
- RELI 329 Israel: Religion and State (3.00)
- RELI 332 Canadian Jewish Literature (3.00)
- RELI 334 Introduction to Canadian Jewish Studies (3.00)
- RELI 3360 Sounds of the Middle East (3.00)
- RELI 347 The Arts in South Asia and Beyond (3.00)
- RELI 348 Religion and Society in South and Southeast Asia (3.00)
- RELI 351 Jewish Eastern Europe (3.00)
- RELI 353 Arts and Religion in the West (3.00)
- RELI 360 Religions of China (3.00)
- RELI 361 Religions of Japan (3.00)
- RELI 362 Religions of Tibet (3.00)
- RELI 375 Religions of Canada (3.00)
- RELI 3840 Women, Gender, and Sexuality: Buddhism, Hinduism and Jainism (3.00)
- RELI 3841 Religious Bodies in South Asia (3.00)
- RELI 393 Women in Israel (3.00)
- RELI 3950 Cultural Diversity and Canadian Film (3.00)

Themes in Religions and Cultures

- RELI 209 The Religious Imagination (3.00)
- RELI 210 Religion in Practice (3.00)
- RELI 216 Encountering Religions (3.00)

- RELI 235 The Holocaust (3.00)
- RELI 250 Decolonizing the Local: Concordia University and Montreal (3.00)
- RELI 298 Selected Topics in Religions and Cultures (3.00)
- RELI 300 Cults and New Religious Movements in North America (3.00)
- RELI 310 Self and Other: Identity and Ethical Development (3.00)
- RELI 312 Justice and Social Conflict in a Globalized World (3.00)
- RELI 3140 Malcolm X (3.00)
- RELI 325 Leaders, Rebels and Saints (3.00)
- RELI 331 Literature and the Holocaust (3.00)
- RELI 3350 The Bible and Contemporary Literature (3.00)
- RELI 3360 Sounds of the Middle East (3.00)
- RELI 354 Religion and Film (3.00)
- RELI 355 Religion and Violence (3.00)
- RELI 358 Anthropology of Religion (3.00)
- RELI 365 Religion and Literature (3.00)
- RELI 366 Religion and Music (3.00)
- RELI 3660 Hip-Hop Culture and Social Change (3.00)
- RELI 3690 Decolonizing Religion (3.00)
- RELI 370 Topics in Comparative Religion (3.00)
- RELI 371 Care and Healing (3.00)
- RELI 373 Topics in Mysticism (3.00)
- RELI 374 Religion and Science (3.00)
- RELI 378 Death and Dying (3.00)
- RELI 379 Philosophy of Religion (3.00)
- RELI 394 History of Satan: Evil Personified in Judaism and Christianity (3.00)
- RELI 3950 Cultural Diversity and Canadian Film (3.00)
- RELI 396 Food and Religion (3.00)
- RELI 3970 Perspectives on Animals and Sustainability (3.00)
- RELI 398 Selected Topics in Religions and Cultures (3.00)
- RELI 410 Honours Thesis (6.00)
- RELI 496 Independent Studies in Religions and Cultures (3.00)
- RELI 498 Advanced Topics in Religions and Cultures (3.00)

Tradition

- RELI 220 Introduction to Judaism (3.00)
- RELI 223 Introduction to Christianity (3.00)
- RELI 224 Introduction to Islam (3.00)
- RELI 225 Introduction to Hinduism (3.00)
- RELI 226 Introduction to Buddhism (3.00)
- RELI 227 Introduction to Iranian Civilization (3.00)
- RELI 230 Judaism and Popular Culture (3.00)
- RELI 231 Jews and Food (3.00)
- RELI 301 The Hebrew Bible (3.00)
- RELI 307 Christian Mystics (3.00)
- RELI 308 Christianity in North America (3.00)
- RELI 311 Global Christianities (3.00)
- RELI 313 Zoroastrianism (3.00)
- RELI 3140 Malcolm X (3.00)
- RELI 315 Muslim Cultures in Southern Asia (3.00)
- RELI 316 Classical Islam (3.00)
- RELI 317 Sufism (3.00)
- RELI 318 Shiite Islam (3.00)
- RELI 319 Modern Islam (3.00)
- RELI 320 The Making of Christianity (3.00)
- RELI 321 The Medieval Christian World (3.00)
- RELI 324 On the Margins of Christianity (3.00)
- RELI 326 Ancient Judaism (3.00)
- RELI 327 Medieval Jewish Thought and Institutions (3.00)
- RELI 328 Modern Judaism (3.00)
- RELI 3300 Psalms to Leonard Cohen: Poetry, Music, Performance in Judaism (3.00)
- RELI 332 Canadian Jewish Literature (3.00)
- RELI 333 Stories in Judaism (3.00)
- RELI 334 Introduction to Canadian Jewish Studies (3.00)
- RELI 3350 The Bible and Contemporary Literature (3.00)
- RELI 337 The Dead Sea Scrolls (3.00)

- RELI 343 Yoga in History, Thought, and Practice (3.00)
- RELI 344 Hindu Myth and Narrative: the Epics and Puranas (3.00)
- RELI 346 Gandhi, Colonialism, and Beyond (3.00)
- RELI 350 Theravada Buddhism (3.00)
- RELI 351 Jewish Eastern Europe (3.00)
- RELI 364 Mahayana Buddhism (3.00)
- RELI 368 Religion and Indigenous Traditions (3.00)
- RELI 381 Women, Gender, and Sexuality: Judaism (3.00)
- RELI 382 Women, Gender, and Sexuality: Christianity (3.00)
- RELI 383 Women, Gender, and Sexuality: Islam (3.00)
- RELI 3840 Women, Gender, and Sexuality: Buddhism, Hinduism and Jainism (3.00)
- RELI 390 Angels and Demons in Judaism (3.00)
- RELI 392 Women in Jewish History (3.00)
- RELI 394 History of Satan: Evil Personified in Judaism and Christianity (3.00)
- RELI 401 Studies in Hebrew Texts (3.00)
- RELI 405 Food, Sex, and Death in Judaism (3.00)
- RELI 407 Topics in Judaic Studies (3.00)

Women, Gender, and Sexuality

- RELI 233 Introduction to Women and Religion (3.00)
- RELI 372 Religion and the Body (3.00)
- RELI 380 Religion and Sexuality (3.00)
- RELI 381 Women, Gender, and Sexuality: Judaism (3.00)
- RELI 382 Women, Gender, and Sexuality: Christianity (3.00)
- RELI 383 Women, Gender, and Sexuality: Islam (3.00)
- RELI 3840 Women, Gender, and Sexuality: Buddhism, Hinduism and Jainism (3.00)
- RELI 3841 Religious Bodies in South Asia (3.00)
- RELI 386 Witchcraft, Magic and Religion (3.00)
- RELI 387 Goddesses and Religious Images of Women (3.00)
- RELI 388 Queering the Bible (3.00)
- RELI 3890 Queer Spiritualities (3.00)

- RELI 393 Women in Israel (3.00)

BA Major in Southern Asia Studies

Program Requirements

Major in Southern Asia Studies (42 credits)

3 credits chosen from:

- RELI 215 Religions of Asia (3.00)
- RELI 348 Religion and Society in South and Southeast Asia (3.00)

3 credits chosen from:

- HIST 261 History of South Asia (3.00)
- HIST 364 Modern South Asia (3.00)

3 credits chosen from the following group:

History of South and Southeast Asia courses

9 credits chosen from the following group:

Religions and Cultures of South and Southeast Asia courses

6 credits chosen from the following group:

Theory and Method courses

18 credits chosen from the following group:

Electives in South and Southeast Asia

Notes

- Upon consultation with the undergraduate advisor, students may request program requirement credit for other South Asia related courses at Concordia or at other Quebec universities.
- A single course, though listed in multiple requirement categories, can only satisfy one requirement.
- Students are responsible for satisfying their particular degree requirements.

Minor in Southern Asia Studies

Program Requirements

Minor in Southern Asia Studies (24 credits)

3 credits chosen from:

- RELI 215 Religions of Asia (3.00)
- RELI 348 Religion and Society in South and Southeast Asia (3.00)

3 credits chosen from:

- HIST 261 History of South Asia (3.00)
- HIST 364 Modern South Asia (3.00)

18 credits chosen from the following group:

Electives in South and Southeast Asia

Notes

- Upon consultation with the undergraduate advisor, students may request program requirement credit for other South Asia related courses at Concordia or at other Quebec universities.
- A single course, though listed in multiple requirement categories, can only satisfy one requirement.
- Students are responsible for satisfying their particular degree requirements.

Southern Asia Studies Course Groups

Electives in South and Southeast Asia

- ENGL 387 South Asian Literature (3.00)
- HIST 347 Gender and Sexuality in South Asia (3.00)
- HIST 364 Modern South Asia (3.00)
- RELI 315 Muslim Cultures in Southern Asia (3.00)
- RELI 316 Classical Islam (3.00)
- RELI 317 Sufism (3.00)
- RELI 319 Modern Islam (3.00)
- RELI 343 Yoga in History, Thought, and Practice (3.00)
- RELI 344 Hindu Myth and Narrative: the Epics and Puranas (3.00)
- RELI 347 The Arts in South Asia and Beyond (3.00)
- RELI 348 Religion and Society in South and Southeast Asia (3.00)
- RELI 350 Theravada Buddhism (3.00)
- RELI 362 Religions of Tibet (3.00)
- RELI 364 Mahayana Buddhism (3.00)
- RELI 3840 Women, Gender, and Sexuality: Buddhism, Hinduism and Jainism (3.00)
- RELI 3841 Religious Bodies in South Asia (3.00)
- RELI 387 Goddesses and Religious Images of Women (3.00)

History of South and Southeast Asia

- HIST 261 History of South Asia (3.00)
- HIST 347 Gender and Sexuality in South Asia (3.00)
- HIST 364 Modern South Asia (3.00)
- RELI 215 Religions of Asia (3.00)
- RELI 348 Religion and Society in South and Southeast Asia (3.00)

Religions and Cultures of South and Southeast Asia

- RELI 224 Introduction to Islam (3.00)

- RELI 225 Introduction to Hinduism (3.00)
- RELI 226 Introduction to Buddhism (3.00)
- RELI 313 Zoroastrianism (3.00)
- RELI 316 Classical Islam (3.00)
- RELI 317 Sufism (3.00)
- RELI 319 Modern Islam (3.00)
- RELI 343 Yoga in History, Thought, and Practice (3.00)
- RELI 344 Hindu Myth and Narrative: the Epics and Puranas (3.00)
- RELI 346 Gandhi, Colonialism, and Beyond (3.00)
- RELI 347 The Arts in South Asia and Beyond (3.00)
- RELI 348 Religion and Society in South and Southeast Asia (3.00)
- RELI 350 Theravada Buddhism (3.00)
- RELI 362 Religions of Tibet (3.00)
- RELI 364 Mahayana Buddhism (3.00)
- RELI 383 Women, Gender, and Sexuality: Islam (3.00)
- RELI 3840 Women, Gender, and Sexuality: Buddhism, Hinduism and Jainism (3.00)
- RELI 3841 Religious Bodies in South Asia (3.00)

Theory and Method

- ENGL 382 Literature of Migration and Diaspora (3.00)
- FMST 335 Aspects of National Cinemas (3.00)
- LING 330 Sanskrit (3.00)
- PHIL 236 Environmental Ethics (3.00)
- PHIL 281 Philosophy in the Islamic World (3.00)
- PHIL 285 World Philosophy (3.00)
- RELI 310 Self and Other: Identity and Ethical Development (3.00)
- RELI 312 Justice and Social Conflict in a Globalized World (3.00)
- RELI 354 Religion and Film (3.00)
- RELI 355 Religion and Violence (3.00)
- RELI 358 Anthropology of Religion (3.00)
- RELI 365 Religion and Literature (3.00)
- RELI 366 Religion and Music (3.00)

- RELI 371 Care and Healing (3.00)
- RELI 372 Religion and the Body (3.00)
- RELI 380 Religion and Sexuality (3.00)
- RELI 3890 Queer Spiritualities (3.00)
- RELI 396 Food and Religion (3.00)
- RELI 3970 Perspectives on Animals and Sustainability (3.00)
- RELI 409 Methodology and the Study of Religion (3.00)
- SCPA 212 Introduction to Global Migration: Theories and Issues (3.00)
- SCPA 450 Neo-Liberal Globalization and the Global Justice Movement (3.00)
- SSDB 220 Introduction to Theories of Sexuality (3.00)
- URBS 230 Urbanization: Global and Historical Perspectives (3.00)
- WSDB 290 Introduction to Historical Perspectives in Women's Studies (3.00)
- WSDB 291 Introduction to Contemporary Concerns in Women's Studies (3.00)

Department of Religions and Cultures Courses

RELI 209 The Religious Imagination (3 credits)

Description:

This course explores the conceptual elements that underlie the religious experience. These elements include the notion of the sacred, beliefs, cosmologies and myths, the origins and understanding of evil, ethics and salvation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 211 may not take this course for credit.

RELI 210 Religion in Practice (3 credits)

Description:

This course focuses on the day-to-day practice of religious traditions. Included are the expression of religious experiences through art, music, and scripture; transmission of these religious expressions through ritual, worship and mystical/ecstatic practices; and the construction and maintenance of different types of religious authority and communal identities.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 211 may not take this course for credit.

RELI 214 Religions of the West (3 credits)

Description:

This course surveys the history, doctrines, institutions, and practices of religions that arose in Western Asia, including Judaism, Christianity, and Islam. The course examines contemporary forms of religious life in those parts of the world where these traditions have spread, as well as indigenous religions. The course explores the religious activities and experiences of both women and men within these various traditions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 213 may not take this course for credit.

RELI 215 Religions of Asia (3 credits)

Description:

This course surveys the history, doctrines, institutions, and practices of religions that have arisen in and spread throughout Asia, including Hinduism, Buddhism, and the religions of China and Japan. The course explores the religious activities and experiences of both women and men within these traditions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 213 may not take this course for credit.

RELI 216 Encountering Religions (3 credits)

Description:

This course serves as an introduction to some of the religions of today's world, and explores several contemporary contexts where people of diverse religious backgrounds come into contact with one another.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 298 number may not take this course for credit.

RELI 220 Introduction to Judaism (3 credits)

Description:

This course examines the continuities and changes in Jewish society, institutions, concepts, and traditions from ancient times to the present. It also provides an introduction to Jewish practice and belief in its contemporary diversity, including a survey of the rituals, symbols, and ceremonies of Jews today.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 222 may not take this course for credit.

RELI 223 Introduction to Christianity (3 credits)

Description:

This course provides an introductory survey of key developments and enduring structures in the historical evolution of Christianity. It examines the variety of expressions of faith embodied in different churches, and traces the ways in which beliefs, institutions, symbols, and rituals have in the past and continue today to carry forward the Christian tradition as a world religion in a variety of cultural contexts.

Component(s):

"Lecture"

RELI 224 Introduction to Islam (3 credits)

Description:

This course explores the religious tradition of Islam through the beliefs and practices of the vast number of Muslims scattered throughout the world — in the Middle East, South and Southeast Asia, North America, and other places. It examines the scriptures and common rituals or "pillars" of the religion, as well as expressions of life and culture in the past and present such as the law (shariah), mystical orders, and the arts.

Component(s):

"Lecture"

RELI 225 Introduction to Hinduism (3 credits)

Description:

This course surveys Hinduism in its diverse history, sects, schools of thought, sacred texts, spiritual practices, and contemporary interpretations. Students focus on several prominent dimensions of the tradition, including the Hindu temple, mysticism and metaphysics in the Upanishads, karma and rebirth, dharma (religious duty and the cosmic/social order), moksha (liberation), gender and caste, devotional traditions, and narrative literatures.

Component(s):

"Lecture"

RELI 226 Introduction to Buddhism (3 credits)

Description:

This course introduces students to the diversity of forms of Buddhism that have emerged in history and are practised today. It examines those aspects that are shared in common by Buddhists all over the world, including reverence for the Buddha, support of the monastic order, and adherence to the Buddha's teachings. The course explores the ways in which these ideals and beliefs are expressed through such Buddhist practices as worship, study, pilgrimage, and meditation.

Component(s):

"Lecture"

RELI 227 Introduction to Iranian Civilization (3 credits)

Description:

Iran has played a central role in world history, giving rise to Zoroastrianism, Manichaeism, and the Baha'i faith, as well as numerous minor sects. Iranian culture has also played a major role in informing and transforming Judaism, Christianity, Buddhism and Islam. This course covers the long history of Iranian civilization and its influence on peoples from the Mediterranean world to South and East Asia in the realms of religion, literature, architecture, and the arts.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 412 or for this topic under a RELI 298 number may not take this course for credit.

RELI 230 Judaism and Popular Culture (3 credits)

Description:

This course explores examples of American popular culture — film, television, comedy, graphic novels — from the early-20th to the early-21st century that touch on Jews and Judaism. The course reveals ways in which Judaism has developed in the past century and the nature of a uniquely Jewish current that has developed a life of its own in the sphere of popular culture.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 298 number may not take this course for credit.

RELI 231 Jews and Food (3 credits)

Description:

This course introduces students to the link between Jews and food. It explores the interrelationship between sacred texts, cookbooks, film, fiction, and current theories on ethnic "foodways." The study of foodways is a growing field that yields insight into the patterns of group formation, cultural development and communal identity. Judaism provides a good case study of these variables.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 298 number may not take this course for credit.

RELI 233 Introduction to Women and Religion (3 credits)

Description:

This introduction to the particular problems and issues in the study of women and religion uses case studies from various religious traditions. The course presents a survey of the different levels of participation, the complex ritual activities, and the intriguing divine imagery associated with women that are found in many religious traditions. Questions pertaining to the contemporary feminist discourse on such topics as witchcraft, matriarchy, and goddess religions are also explored.

Component(s):

"Lecture"

RELI 235 The Holocaust (3 credits)

(also listed as HIST 235)

Description:

Beginning with a discussion of Jewish communities in Europe and America before 1933, this course traces the evolution of anti-Semitism, nationalism, and racism, the rise of Hitler and the Nazi movement, the shaping of Nazi ideology, the growing demonization of the victims of the Holocaust and the genocide against them in their various countries, resistance by the victims, and the parts played by bystanders in the outcome of the Holocaust.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 235, HISW 235 or RELI 338 may not take this course for credit.

RELI 250 Decolonizing the Local: Concordia University and Montreal (3 credits)

Description:

This course examines recent patterns in Canadian recognition of colonialism and its impact on Indigenous people.It uses as its epicentre Concordia's campuses and radiates out to the rest of the city, to examine Christian missionizing and colonial activity.The course makes use of memoir, artwork, online sources, and film to convey this history and its contemporary relevance. It considers links between local institutional history and Canadian Residential Schools, nationally funded institutions run by churches and orders, including those closely linked with Concordia and its surroundings. Students make use of literary and other creative responses, attend to the way Montreal developed and changed, while examining Concordia's platforms for addressing diversity, Indigenization, and decolonization.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 298 or RELI 298 number may not take this course for credit.

RELI 298 Selected Topics in Religions and Cultures (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

RELI 300 Cults and New Religious Movements in North America (3 credits)

Description:

This course takes a sociological and historical approach towards understanding new religious movements (NRMs), popularly known as "cults." The course examines the reasons for their controversial status in society, and undertakes a survey of the

beliefs, rituals, leadership, membership, recruitment strategies, and social organization of a number of specific NRMs.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 217 or for this topic under a RELI 298 number may not take this course for credit.

RELI 301 The Hebrew Bible (3 credits)

Description:

This course introduces students to one of the great works of world literature, the Hebrew Bible. It familiarizes the student with the major genres of the Hebrew Bible and with the history, culture, and religion of ancient Israel. Particular attention is given to modern scholarly methods of interpretation, to the literary dimensions of the Bible, and to the subsequent development of Jewish interpretation and practice that builds on the Bible.

Component(s):

"Lecture"

RELI 306 Religion and Society in Contemporary Iran (3 credits)

Description:

Heir to one of the world's great civilizations, Iran today is often viewed negatively by the West. However, the reality of life in the Islamic Republic differs in many ways from popular conceptions. This course explores the roots, development and current situation of a uniquely modern and dynamic contemporary Muslim society. Topics include gender relations, political theory, contemporary literature and the arts.

Component(s):

"Lecture"

RELI 307 Christian Mystics (3 credits)

Description:

Based on the study of significant texts, this course offers a historical and sociological exploration of the range of mystical and ecstatic experiences within the Christian tradition. Special consideration is given to the role which gender plays in understanding these experiences.

Component(s):

"Lecture"

RELI 308 Christianity in North America (3 credits)

Description:

This course introduces students to the history of Christianity in Canada and the United States. It traces some of the key characteristics of the varieties of Christianity in North America, with an emphasis on the social and attention paid to significant developments in ideas and practices. Points of contrast between Christianity in Canada and the U.S. are highlighted. The course covers important historical events and movements, including early settler churches, Black churches, evangelicals, revivals and awakenings, missions, abolition and slavery, residential schools, fundamentalism, Pentecostals, civil rights, women, and Indigenous Christians and reconciliation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 310 Self and Other: Identity and Ethical Development (3 credits)

Description:

This course considers ethical issues arising in the context of personal and interpersonal relations, families and friendships, and health and medical care. These issues are discussed in relation to traditional and contemporary moral perspectives, both religious and non-religious. Topics covered may vary from year to year, but may include discussions of conscience and career, privacy, sexual relations, harassment, substance abuse, abortion, euthanasia, and gay and lesbian relations.

Component(s):

"Lecture"

RELI 311 Global Christianities (3 credits)

Description:

This course examines contemporary Christianity in its many forms around the world, placing special emphasis on the Global South. It pays special attention to how people, ideas and ministries cross borders and the implications of globalization for Christian practice and theology. Topics covered may include televangelism and media, Internet religion, pilgrimage, immigration, refugees and "transplanted" religion, mega-church networks, post-colonial missions and "reverse" missionaries, Pentecostalism and the rise of African and Asian Independent Churches.

Component(s):

"Lecture"

RELI 312 Justice and Social Conflict in a Globalized World (3 credits)

Description:

This course considers ethical issues arising in the context of social, legal, and political relations. These issues are discussed in relation to both traditional and contemporary moral perspectives, both religious and non-religious. Topics covered typically include discussions of social and economic inequality, welfare, poverty, just punishment, business ethics, public ethics, economic development, and sustainable development.

Component(s):

"Lecture"

RELI 313 Zoroastrianism (3 credits)

Description:

Zoroastrianism, an ancient but little-known faith now counting no more than a few hundred thousand practitioners living mainly in India and Iran, is one of the most significant traditions in the history of religions. It provided a world-view and ethical framework later adopted by Judaism, Christianity, and Islam and shares significant common roots with Hinduism. The Zoroastrians of India — the Parsis — have continued to play an influential role in shaping that country's development in modern times. This course covers the 3,000-year history of Zoroastrianism, including controversies surrounding its origins, its contributions to other religions, its eventual decline and the surviving global Zoroastrian diaspora of contemporary times.

Component(s):

"Lecture"

RELI 3140 Malcolm X (3 credits)

Description:

This course explores the life, activism, ministry, and enduring importance of Malcolm X, a Black civil rights leader who made an indelible impact on North American society as a devout Muslim. Students analyze primary sources and identify Malcolm X's complex religious and political philosophy as it evolved through his career and in its wider cultural and ideological contexts. Topics covered may include Malcolm X's vision on faith, race relations, social justice, and Islam in America, as well as the history of the Nation of Islam and the socio-political landscape of liberation theology, radical political movements, and Islamic revivalism of the 1960s.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 315 Muslim Cultures in Southern Asia (3 credits)

Description:

About one-third of the world's Muslims live in India, Pakistan, or Bangladesh, making Southern Asia the world region with the largest proportion of Muslims. Yet many aspects of Muslim belief and practice in these countries have a distinctively South Asian flavour and in some cases derive from regional cultural traditions. This course looks at the history of Muslim presence in Southern Asia, including its extensive political and cultural impact from the seventh century to the present, and investigates the complexities of communal identity over the course of that history. The role of Sufism and Muslim contributions to South Asian literature, art, architecture, and music are also explored.

Component(s):

"Lecture"

RELI 316 Classical Islam (3 credits)

Description:

The course explores the various aspects of Muslim civilization from its initial spread from Arabia to Spain, sub-Saharan Africa, India, and China, up to the age of the Ottoman, Safavid, and Mughal empires in the 16th and 17th centuries. Special attention is given to the emergence of schools of law, theology, philosophy, and mystical orders, as well as the literature, arts, and architecture of diverse Muslim societies.

Component(s):

"Lecture"

RELI 317 Sufism (3 credits)

Description:

The course explores the emergence and development of Islamic mysticism, beginning with pious individuals in the eighth century and coalescing into institutional forms by the 10th. Attention is given to the teachings of key mystical figures, the Sufi orders, and the social role of Sufism. Sufi poetry, music, and other forms of devotion and practice are studied in the contexts of diverse Muslim societies over the past 1,000 years.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 379 number may not may not take this course for credit.

RELI 318 Shiite Islam (3 credits)

Description:

This course explores the history and ideas of Shiism, from the inception of the movement to the present. The various sects are introduced and studied, including the Twelvers, Ismailis, Druze, and Alawites. Shiite doctrines related to esoterism, quietism, and messianism are considered in comparison with other religions, while study of the modern period treats subjects such as theocracy, political activism, and martyrdom.

Component(s):

"Lecture"

RELI 319 Modern Islam (3 credits)

Description:

This course surveys some of the questions raised by modernity for Muslims and the various responses Muslims have sought to formulate and put into practice. Issues addressed may include government, law, gender, relations with the West, and religious authority.

Component(s):

"Lecture"

RELI 320 The Making of Christianity (3 credits)

Description:

This course examines Christianity in the Roman Empire. It introduces students to critical engagement with a wide variety of ancient sources for studying the earliest Christians and ancient traditions about Jesus. The course also considers how scholars have used these sources to generate histories about Christianity and the implications, both past and present, of these historical representations. Topics considered may include authority, ritual, prophecy and visions, sacred space, scripture, as well as gender and the body, violence, slavery, and Roman imperialism.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 303 or for this topic under a RELI 498 number may not take this course for credit.

RELI 321 The Medieval Christian World (3 credits)

Description:

This course examines one of the more significant periods in the development of Christianity, that of the Medieval West. Among the topics considered are the papacy, the growth of monasticism and the friars' movements, mysticism, the Crusades, the emergence of scholastic learning and the universities, and forms of popular religiosity, such as devotion to saints and pilgrimages.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 324 On the Margins of Christianity (3 credits)

Description:

This course examines marginal forms of Christianity that have found themselves ignored, excluded, or suppressed by more mainstream Christian groups and institutions. Topics may include "heretical," apocalyptic, millenarian, and charismatic movements. The course considers the practices, self-understanding, and worldviews of marginal forms of Christianity within their particular cultural, political, and historical contexts.

Component(s):

"Lecture"

RELI 325 Leaders, Rebels and Saints (3 credits)

Description:

This course, which varies in focus from year to year, investigates the lives of controversial or influential women and men in the history of different religious traditions. Going beyond mere biography, the course situates particular figures within their social and cultural contexts, while dealing with how such prominent figures were viewed, portrayed, and used by others. Specific topics for this course are stated in the Undergraduate Class Schedule; examples are Moses, Jesus and Mary.

Component(s):

"Lecture"

RELI 326 Ancient Judaism (3 credits)

Description:

This course is a survey of Jewish religion, culture, and literature in its formative period, from the fifth century Before the Common Era to the 10th century of the Common Era. The focus is on key moments, movements, and cultural motifs that demonstrate the ways in which Jewish groups were both part of their larger cultural world and distinctive; both divided into a variety of groups, but also united.

Component(s):

"Lecture"

RELI 327 Medieval Jewish Thought and Institutions (3 credits)

Description:

This course examines the intellectual, religious, and social history of selected Jewish communities during the Middle Ages. Both internal Jewish developments and changing Jewish relations with their non-Jewish neighbours are considered.

Component(s):

"Lecture"

RELI 328 Modern Judaism (3 credits)

Description:

This course surveys the major historical events, sociological and political forces, and intellectual currents which shaped Judaism in the modern period as well as the ways that Jewish communities responded to these forces. Among the topics explored are Emancipation, forms of religious adjustment, anti-semitism, the experience of Jewish communities in Russia and North America, the Holocaust, and Zionism and the state of Israel.

Component(s):

"Lecture"

RELI 329 Israel: Religion and State (3 credits)

Description:

This course studies the emergence and development of the state of Israel, from the beginnings of the Zionist movement to the present time. It also explores the major political, social, and intellectual developments in both the pre- and post-state periods. The role of Judaism within the changing state is a primary focus.

Component(s):

"Lecture"

RELI 3300 Psalms to Leonard Cohen: Poetry, Music, Performance in Judaism (3 credits)

Description:

This course explores music in the context of Jewish religious tradition, literature, and popular culture.It examines early religious forms including biblical Psalms as well as the Klezmer tradition, which flourished from the seventeenth century to the beginning of the Second World War. Montreal's distinctive creative forces are explored through the output of Leonard Cohen.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 331 Literature and the Holocaust (3 credits)

Description:

Religious, historical, literary, and political contexts have been applied to come to terms with the events of the Holocaust. All of these are relevant as students read important and provocative novels dealing with such issues as ethics, the relationship between art and history, the use of humour and popular cultural forms, as well as the way that storytelling helps direct our understanding of events that are often said to be incomprehensible. The wider impact of fiction dealing with the Holocaust on the popular media, including film, CD-ROMs, video, and news reporting, is also considered.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 332 Canadian Jewish Literature (3 credits)

Description:

This course explores the Jewish voice in Canadian literature which can be seen to be the first opening toward a multicultural tradition in this country. Writers such as A.M. Klein, Mordecai Richler, Henry Kreisel, and Leonard Cohen created an English-language tradition of Jewish writing that is varied, provocative, and lively. Students look at novels, short stories, some poetry, memoir, and criticism. Students also consider non-Jewish authors, such as Gwethalyn Graham and Mavis Gallant, who were among the first to write about Jewish characters for an English-speaking Canadian audience. This course allows students to consider issues related to Canadian identity and culture, ethnic studies, and multiculturalism alongside literary questions.

Component(s):

"Lecture"

RELI 333 Stories in Judaism (3 credits)

Description:

In this course, stories are read from the entire scope of Jewish history — from the Bible to modern Jewish film and fiction. Each of these stories will reveal something about the cultures from which they emerged — their fantasies about themselves and about others; about humans, not-so-humans, and God; about life and death and everything in between. Taken together, these stories tell the story of Judaism, in all its inexhaustible variety and colour.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 334 Introduction to Canadian Jewish Studies (3 credits)

Description:

This course introduces the history of the Canadian Jewish community and the themes, personalities, and media which have contributed to Canadian Jewish culture and life. Students explore historical texts, novels, films, and museums in order to gain a sense of the particularity of Jewish culture in Canada and its place in the Canadian multicultural ethic. The relationship of Canadian Jewry to communities in the United States, Europe, and Israel, and to its own past, is also examined.

Component(s):

"Lecture"

RELI 3350 The Bible and Contemporary Literature (3 credits)

(also listed as ENGL 3350)

Description:

This course introduces students to important literary works of the past century that update, revise, or provocatively interrogate established religious texts and narratives. It engages with the history and literary character of the Hebrew Bible and its influence on literary tradition, focusing on the way its narratives supply archetypal stories, characters, and motifs.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGL 3350, or for this topic under an ENGL 398 or RELI 398 number, may not take this course for credit.

RELI 3360 Sounds of the Middle East (3 credits)

Description:

This interdisciplinary course critically examines how the study of music and sound can fundamentally enrich our understanding of the Middle East. Beginning with an overview of sound studies, the course explores several key themes, including the connection of sound and music to religious practices, popular culture, protest, mass media, gender, nationalism, and space. The course considers an array of examples of both sacred and popular musical styles across the region as well as soundscapes reflecting the exceptional and the everyday. Case studies include religious sound and dance practices that enable the ecstatic experience, the Call to Prayer, audio-cassette sermons, and the political mobilization of popular musical forms and figures. This course also explores the minority experience through sound, and includes segments on Coptic Chant, Syriac hymns, the music of the Jewish communities of the Middle East, and Bedouin musical and poetical forms.

Component(s):

"Lecture"

RELI 337 The Dead Sea Scrolls (3 credits)

Description:

The discovery of the Dead Sea Scrolls changed our understanding of early Judaism and shed new light on Christian origins. The Scrolls preserve the oldest copies of the books that would come to be included in the Hebrew Bible, plus hundreds of other Jewish writings of the Hellenistic and early Roman eras: apocalypses, biblical interpretation and apocryphal stories, community rules, hymns and poems, legal and liturgical texts, wisdom literature, and much more. This course provides students with a basic introduction to the Dead Sea Scrolls — the texts, the community, and their ideas — examined in the larger context of early Judaism.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 498 number may not take this course for credit.

RELI 343 Yoga in History, Thought, and Practice (3 credits)

Description:

This course examines the history, thought, and practices of Yoga in their religious and cultural contexts. In the modern West, Yoga has become popular as a secular form of exercise. However, as this course shows, the diverse Yoga traditions of India have also involved sophisticated analyses of the mind and systems of meditation. Intrinsic to no single religion, Yoga has had roles in most South Asian traditions, including Hinduism, Buddhism, Jainism, and Sufism or Islamic mysticism. The course surveys this rich history, and the various forms of meditative and physical discipline Yoga has entailed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 344 Hindu Myth and Narrative: the Epics and Puranas (3 credits)

Description:

This course approaches Hinduism through its narrative literature, especially the great epics (the Mahabharata and Ramayana) and mythological texts (Puranas — the "Ancient Books"). Through stories of gods, devotees, villains, and heroes, the course explores the development of significant themes in the Hindu tradition, from ethics and philosophy to asceticism and devotion. An important focus of the course is the enduring cultural significance of myth and the epics, as retold through the ages in a variety of languages, cultural contexts, and media, including classical and vernacular texts, the oral tradition, drama, dance, and cinema.

Component(s):

"Lecture"

RELI 346 Gandhi, Colonialism, and Beyond (3 credits)

Description:

This course examines the religious philosophy and politics in South Asia during the colonial period and after independence. South Asia has been home to a multiplicity of religions and their coexistence has been both tense and tolerant. The imposition of colonial rule and the extractive and divisive politics of the British government significantly impacted the knowledge systems and practices of these religious traditions, as well as the relationships between the communities. Students acquire an understanding of how religion became an academic and political category under colonial education, its use in the independence movement by various leaders, the transnational popularity of ideas such as transcendentalism and postural yoga, and the post-colonial conditions of statehood, diaspora, and secularism in South Asia.

Component(s):

"Lecture"

RELI 347 The Arts in South Asia and Beyond (3 credits)

Description:

This course is an introduction to the arts of South Asia in terms of its historical and contemporary influences and exchanges across geographical regions such as Southeast Asia as well as through diasporic contexts. It centres on an examination of architecture, sculpture, painting, and performing arts from Hindu, Buddhist, Islamic, Christian, and Indigenous traditions. The course examines the ways in which sacred art is related to myth and symbol, religious values and goals, ritual, religious experience, and social and political realities.

Component(s):

"Lecture"

RELI 348 Religion and Society in South and Southeast Asia (3 credits)

Description:

This historical and sociological examination of religion's impact on and intersection with the structures of South and Southeast Asian society, explores such issues as caste and class, gender and family relations, links between religion and the state, and relations between Hindu, Buddhist, and Muslim communities.

Component(s):

"Lecture"

RELI 350 Theravada Buddhism (3 credits)

Description:

This course examines the early history, doctrine, institutions, and practices of Buddhism in India, and follows the development of Theravada Buddhism in the countries of Southeast Asia up to the present day.

Component(s):

"Lecture"

RELI 351 Jewish Eastern Europe (3 credits)

Description:

This course takes into account the arrival of large numbers of Western European Jews in Poland and the Russian empire; the rise of Chasidism; the pre-World War II Yiddish cultural ferment; literature and music; religious and political parties, including the impact of Zionism on established social and political life. The course examines recent developments: the rise of tourism to Eastern Europe; the historical, educational and memorial challenges associated with a reclamation of identity; and contemporary musical, religious and literary expressions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 or RELI 498 number may not take this course for credit.

RELI 353 Arts and Religion in the West (3 credits)

Description:

This course explores the way in which the fine arts, literary arts, and performing arts have given expression to, and shaped the experience of, religious realities in the history of the West, and also considers the ways in which, in a more recent and contemporary context, art may be seen as engaging with aspects of divinity and spirituality.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 354 Religion and Film (3 credits)

Description:

This course examines films that deal with religious themes — explicitly or implicitly — and provides an opportunity to analyze the language of film as a form of narrative through which cultural and religious ideas are transmitted.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 355 Religion and Violence (3 credits)

Description:

This course explores how religion may be seen to engender or exacerbate violence, as well as the ways that religion may critique, prevent or even offer alternatives to violence. Sacred writings, theologies, rituals and communal actions of particular communities are studied, as well as notions of the self, the group, others, outsiders and enemies. In particular, the life-work and writings of such key figures as Mahatma Gandhi and Martin Luther King are studied in order to provide some religious perspectives on the relationship between non-violence and the resistance to injustice.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 358 Anthropology of Religion (3 credits)

Description:

This course introduces students to debates and themes that have coloured the anthropology of religion over the last century. After covering classic anthropological texts, it focuses on contemporary issues including self-reflexivity, power/agency, materiality and consumption, post-colonization, post-modernity/secularity and communitas.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ANTH 398 or RELI 398 number may not take this course for credit.

RELI 360 Religions of China (3 credits)

Description:

This course concentrates on the historical development of Chinese religions from the earliest periods of Chinese civilization to contemporary times. It investigates the relationships among the classical religious traditions as portrayed through scriptures, commentaries, and rituals. Focus is placed on the unfolding of the five great religious currents of China: the classical imperial cults, Daoism, Confucianism, Buddhism, and popular cults.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 349 may not take this course for credit.

RELI 361 Religions of Japan (3 credits)

Description:

This course uses a historical approach to understand the development of Japanese religious traditions. It investigates popular Japanese cults and religions, the assimilation of foreign religious thought and practices, and the implantation of Buddhism, Confucianism, and other models from China. Religious sectarianism, state-regulated religious schools, cults, and the role of religion in the establishment of Japanese national identity are also studied.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 349 may not take this course for credit.

RELI 362 Religions of Tibet (3 credits)

Description:

The goal of this course is to familiarize students with current issues in Tibetan studies and to enhance understanding of Tibetan religion in Tibet, China and the rest of the world. It examines the “nameless” popular religions of Tibet, including mountain cults, shamanism, spirit possession and a variety of manifestations of popular religion. Students become familiar with the main schools of Tibetan Buddhism and the Bon religion, their history, dogma, lineages, philosophical enquiries, ritual and ascetic practices.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 364 Mahayana Buddhism (3 credits)

Description:

This course studies the origins and evolution of the Mahayana Buddhist in India, and the spread and growth of various Mahayana traditions in East Asia. It examines developments in texts, doctrine, philosophy, ethical ideals, practices (worship

and meditation), and institutions.

Component(s):

"Lecture"

RELI 365 Religion and Literature (3 credits)

Description:

This course examines how literary works assist in the understanding of religious traditions, and how literary texts can stand as reinterpretations of religious texts and beliefs in a number of religious traditions. Readings include canonical religious, literary, and critical texts. Consideration is given to how certain provocative books have created social and political unrest, as well as to how certain thinkers understand literary undertakings as expressions of religious modes of thought and creativity.

Component(s):

"Lecture"

RELI 366 Religion and Music (3 credits)

Description:

This course explores sacred music in its religious and cultural contexts. It examines the ways in which religion has served as an inspiration and performance context for music across the world, and some of the ways in which musical expression has been central to religious practice. Topics range from Gregorian chant to Quranic recitation, from Hindu, Muslim, and Sikh devotional song in South Asia to esoteric Tibetan chant, and from J.S. Bach to Gospel singing in African-American churches.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 3660 Hip-Hop Culture and Social Change (3 credits)

Description:

This course looks at hip-hop culture from its Afro-diasporic origins to its grassroots beginnings in African-American communities in the 1970s, to its proliferation as a highly impactful international social, cultural, and artistic movement taking many forms across communities and spaces. Students explore hip-hop culture's engagement with topics such as racism, discrimination, religion and spirituality, gender, and Indigeneity, as well as hip-hop's role as an emancipatory source for disenfranchised communities and as a vehicle of expression for religious minorities in the secular nation-state. While all four elements of hip-hop are examined — rap, DJing, graffiti art, and breakdancing — particular attention is paid to the musical, sonic, and embodied aspects of rap music.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 368 Religion and Indigenous Traditions (3 credits)

Description:

This course examines the diverse Indigenous Traditions in the context of Turtle Island, or North America. Foregrounding the perspectives of Indigenous peoples, the course considers the impact of settler colonialism on indigenous communities. Topics may include Christian missions, residential schools, indigenous views of sacred, the land, gender and sexuality, ethics, and storytelling.

Component(s):

"Lecture"

RELI 3690 Decolonizing Religion (3 credits)

Description:

This course explores how the category, conceptualization, and history of religion is connected to colonialism, past and present. Students learn to interrogate how colonial discourses, power, and history shape the way one thinks about religion and various possibilities for moving beyond these colonial assumptions. The course covers topics such as decolonization, post-colonialism, indigeneity, settler colonialism, power/knowledge, colonial discourse theory, Black anti-colonial philosophy, Marxism, queer theory, the protestant presuppositions of religion, and the deconstruction of "religion."

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 370 Topics in Comparative Religion (3 credits)

Description:

This course treats various topics in comparative perspective, examining religious themes as they are represented in two or more religious traditions. Topics covered change from year to year, and may include comparative religious law, comparative ritual, comparative philosophy, or comparative ethics. Specific topics for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

RELI 371 Care and Healing (3 credits)

Description:

This course examines the intersection between religion, defined broadly, and the concepts and techniques of care. The course explores the ways in which the body is defined in various cultures, the relationship between the body, health, and ethics, gendered approaches to health and healing, and the epistemologies of spiritual care. With an interdisciplinary approach, this course combines the study of primary documents with historical, medical, anthropological, popular and social media narratives.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 369 may not take this course for credit.

RELI 372 Religion and the Body (3 credits)

Description:

This study of religious attitudes to the human body focuses on the body as a foundation for religious symbolism, religious community and identity, ritual, and religious experience. The course examines these problems with reference to various religious traditions. Issues examined include purification of the body; eating; mortification and mutilation of the body; attitudes towards dead bodies and physical immortality; attitudes towards bodies as gendered; embodied spirituality and incarnation.

Component(s):

"Lecture"

RELI 373 Topics in Mysticism (3 credits)

Description:

This course examines mystical ideas, themes, texts, and practices in different religious traditions. The specific topic and religious tradition vary from year to year. Topics may include Jewish, Christian, Islamic, and Buddhist mysticisms and mysticism from a comparative standpoint. Specific topics may take a historical, literary, or thematic perspective.

Component(s):

"Lecture"

RELI 374 Religion and Science (3 credits)

Description:

How has religion viewed science, and how has science viewed religion? This course explores the relationship between religion and science both within particular religio-cultural contexts and in comparative perspective. The contexts considered may include those belonging to Christian, Jewish, Muslim, Hindu, or other Asian worldviews. Points of conflict and contact between scientific and religious discourses are also explored.

RELI 375 Religions of Canada (3 credits)

Description:

This course examines the role religions have played in the development of Canada as well as their influence in Canadian society, politics, and culture. Attention is paid as well to the interaction of different religious groups in the Canadian context.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 363 may not take this course for credit.

RELI 378 Death and Dying (3 credits)

Description:

This course provides a comparative perspective on the variety of conceptions and practices related to death and dying that are found in different world religions. In addition, the course considers how people in contemporary North American society utilize traditional religious concepts and rituals, scientific understandings and medical procedures, or innovative combinations of ideas and practices with which to cope.

Component(s):

"Lecture"

RELI 379 Philosophy of Religion (3 credits)

Description:

This course introduces students to some classical and contemporary discussions in the field of philosophy of religion. It explores such topics as the nature of religion, religious experience, faith and reason, religious language, religion and science, religious diversity, and religion and morality. It examines in what ways comparative philosophy of religion and feminist philosophy of religion challenge the very nature, parameters, and traditional questions of philosophy of religion as a whole.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 380 Religion and Sexuality (3 credits)

Description:

This course examines, from a comparative and historical perspective, the interplay between religion and sexuality. It looks at the development of attitudes towards sexuality within diverse religious traditions, and religious manifestations of sexuality. Topics include, among others: human reproduction, gender roles and identity, birth control, abortion, celibacy, sexual variance, and homosexuality.

Component(s):

"Lecture"

RELI 381 Women, Gender, and Sexuality: Judaism (3 credits)

Description:

This course focuses on women, gender, and sexuality in relation to Jewish people, groups, texts, and culture. The main focus may be on women's experiences and expressions of Judaism or on a range of gender and sexual identities. Topics may include the investigation of stories, ritual practice, the legal sphere, the status and religious roles of women, Jewish constructions of gender and sexuality, the voices of women and queer Jews, the intersections of gender, sexuality, and Jewishness, and feminist and queer readings of primary texts.

Component(s):

"Lecture"

RELI 382 Women, Gender, and Sexuality: Christianity (3 credits)

Description:

This course examines the categories of women, gender, and sexuality, and the experiences related to those categories, in Christian contexts. Topics under investigation include feminist historiography, feminist, womanist and queer readings of primary sources and traditional Christian symbols, sexual practice and reproductive health, and the intersections of gender, race and colonialism. The course proceeds historically, offering examples from across the Christian tradition, but places emphasis on contemporary North America.

Component(s):

"Lecture"

RELI 383 Women, Gender, and Sexuality: Islam (3 credits)

Description:

The course explores various issues related to women and gender in Islam, including role models, ritual, gendered space, the rulings of Islamic law, and sexuality. The issues are examined principally through the lens of modern Islam and lives of modern Muslims, including those in Canada and the West.

Component(s):

"Lecture"

RELI 3840 Women, Gender, and Sexuality: Buddhism, Hinduism and Jainism (3 credits)

Description:

This course considers the situations, activities and experiences of women and gender non-conforming people in relation to the religious traditions of Buddhism, Jainism, and Hinduism. The course focuses on South and Southeast Asia within historical and contemporary post-colonial frameworks, including diasporic contexts. Among the topics considered are definitions and models for gendered identities, ritual practices and labour, asceticism, erotics and sexual ethics, the politics of gender, and new perspectives on feminist, queer and transgender theories.

Component(s):

"Lecture"

RELI 3841 Religious Bodies in South Asia (3 credits)

Description:

This course explores embodied practices and conceptions of embodiment in South Asian religions, including Buddhism, Jainism, Hinduism, and Islam. In this course, students examine bodily disciplines and asceticism, as well as ecstatic practices, possession, and the adornment and celebration of the body. Divine bodies and the bodies of animals and plants, gendered bodies, and the body in life and death are considered. Students gain an understanding of the variety of ways that physiology and the senses are linked to the moral, spiritual, and psychological dimensions of human being - and the methods employed to influence and transform the character of this being.

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 386 Witchcraft, Magic and Religion (3 credits)

Description:

This course approaches the study of magic, witchcraft, and religion from a variety of perspectives. Taking examples from indigenous cultures, the ancient world, medieval Europe, the early modern period and contemporary movements, the practices and rituals that have been labelled magic or witchcraft are examined, along with the responses to them. The course explores how magicians and witches view themselves, how different cultures relate to them, and how magic, witchcraft, and religion merge and diverge.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 387 Goddesses and Religious Images of Women (3 credits)

Description:

This comparative survey of female divinity and feminine imagery studies various religious traditions. Among the issues to be explored are the imaging of goddesses as mothers; the conception of forces like fertility, energy, materiality, and knowledge as feminine; the correspondences and relations between goddesses and women; and the contemporary feminist recovery of the Goddess.

Component(s):

"Lecture"

RELI 388 Queering the Bible (3 credits)

Description:

This course examines the wide variety of perspectives on sexuality in the Bible from a feminist and queer studies approach. It considers the ancient contexts in which these texts were composed, and how they have been received over time. The focus will principally be on Christian interpretations, with some attention paid to Jewish readings as well. The course also

addresses how queer and feminist critiques of and engagements with the Bible can challenge heteronormative views of gender and sexuality today. Among the topics considered are racialization, gendered and sexual identities, same-sex relationships, erotics and sexual desire, celibacy, marriage, kinship, and human reproduction.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 3890 Queer Spiritualities (3 credits)

Description:

This course treats gender, sexuality, spirituality and religiosity from an intersectional and queer theoretical approach. It introduces students to histories and discourses around these interrelated areas of human experience. It also addresses the construction and production of queer spiritualities and the queering of religion. Topics may include global sexualities; celibacy, asexuality and queerness; queerness in history; colonial and post-colonial understandings of sexuality and religion; queer pornography; and tantric practice and other forms of esoteric spirituality.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a LOYC 398 or RELI 398 number may not take this course for credit.

RELI 390 Angels and Demons in Judaism (3 credits)

Description:

This course explores the Jewish version of the supernatural world. Students are introduced to the varieties of Jewish belief and experience that have existed from ancient times to today; the ways of thinking about Jewish and human experience that have shifted and evolved over time; and the different reasons why authors may choose to engage with the supernatural world.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 392 Women in Jewish History (3 credits)

Description:

This course examines the lives and experiences of Jewish women throughout history, focusing especially on the modern period. The immigrations to North America and the subsequent development of the community provide the framework for

investigating Jewish women's encounter with and contribution to modern Jewish life. The course briefly attends to Jewish women in the ancient and medieval periods to provide historical context for the main focus on North America. Using primary sources such as fiction, biography, and autobiography, and taking a feminist point of view, students analyze the history, literature, ideas, practices and general contributions of Jewish women.

Component(s):

"Lecture"

RELI 393 Women in Israel (3 credits)

Description:

This course explores women's experience in the development of Israeli society. Students are introduced to the history, social planning, politics and religious authority that have shaped the current status of women in Israel.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 394 History of Satan: Evil Personified in Judaism and Christianity (3 credits)

Description:

This course investigates the origins, development, and significance of Satan in early Judaism and the history of Christianity. Consideration is given to some of the most important literary and visual depictions of this figure from the ancient world through the Middle Ages to present day. The course sheds light on how intellectuals thought of this figure and also how Satan came to play an important role in popular culture down through the centuries.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 3950 Cultural Diversity and Canadian Film (3 credits)

Description:

This course explores the relationship between film and religious narratives, concentrating on the approach of Canadian film and cultural criticism. The course examines the film culture of Canada with an awareness of the influence of American and European film and with an eye to the expressions of Canadian cultural diversity. It highlights independent films and the output of the National Film Board of Canada (NFB), with particular attention to NFB documentary tradition and the work within that context of Indigenous directors and writers. Topics covered include the special challenges and outcomes of addressing religious themes and the ways in which films are suited to exploring religious narratives and ideas.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a FMST 398 or RELI 398 number may not take this course for credit.

RELI 396 Food and Religion (3 credits)

Description:

This course examines food cultures and food rituals and explores religious meanings and the making of religious identities. The preparing and sharing of food defines religious community and expresses religious values. In looking at food in several world religions, this course focuses on how food can serve as a medium of transmission and transaction, and on the roles that women and men, gods and ancestors, and other beings and forces have in this network.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 398 number may not take this course for credit.

RELI 3970 Perspectives on Animals and Sustainability (3 credits)

(also listed as LOYC 397)

Description:

This course investigates how human-animal relationships and human interactions with the environment have been perceived and justified in various cultures and religions and how they are being debated and re-imagined today. Students engage with histories, texts, and ethical positions of a variety of groups, movements, and thinkers regarding the relationships between animals and humans and their material environments. Students explore theoretical and philosophical perspectives about why humans have related to animals and the environment in the way they do, and how these positions impact, for example, practical choices about diet, ethics of scientific research, understandings of humans' place in the world, and increasingly, ecological issues of habitat preservation, environmental degradation, and collective futures.

Component(s):

"Lecture"

Notes:

- Students who have received credit for LOYC 397, or for this topic under a LOYC 398 or RELI 398 number, may not take this course for credit.

RELI 398 Selected Topics in Religions and Cultures (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

RELI 401 Studies in Hebrew Texts (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: HEBR 210, HEBR 241, HEBR 242. If prerequisites are not satisfied, Permission of the Department is required.

Description:

A reading of representative selections of classical and modern Hebrew texts. Attention is paid to the historical and philosophical background of the texts.

Component(s):

"Lecture"

RELI 405 Food, Sex, and Death in Judaism (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course explores three activities associated with the body — food, sex, and death — as they have been constructed throughout the past 2,000 years of Jewish history. Special attention is given to the cultural contexts in which Jewish practices and attitudes have been shaped, to the relationship between ritual practice and the construction of supernatural worlds, and to the interaction between embodiment and religious experience.

Component(s):

"Lecture"

RELI 407 Topics in Judaic Studies (3 credits)

Description:

This course deals with advanced topics in Judaic Studies. Topics covered change from year to year, and may include Jewish law, Jewish ritual, and Jewish mysticism. Specific topics for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 394 or RELI 397 may not take this course for credit.

RELI 409 Methodology and the Study of Religion (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course examines the various methodological approaches that inform the comparative study of religion. Questions investigated pertain to the collection and interpretation of evidence, the types of resources available and techniques used, the complex differences between men's and women's religious experiences and expressions, as well as the impact of significant theoretical approaches on the analysis of religion.

Component(s):

"Lecture"

RELI 410 Honours Thesis (6 credits)

Prerequisite/Corequisite:

Honours standing in Religions and Cultures or Judaic Studies is required.

Description:

The student works with an individual faculty member in a particular field of religious or Judaic studies. Students are asked to produce a sustained piece of written work to be read by their advisor.

Component(s):

"Research"

Notes:

- Students who have received credit for RELI 499 may not take this course for credit.

RELI 440 Greco-Roman Religions (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course examines how ancient Greeks and Romans interacted with their gods and other sacred beings. It demonstrates the religious and cultural diversity that marked religious life in the ancient Mediterranean world. Among the topics considered are religion and state, domestic cult, funerary practice, hero devotion, mystery cults, the occult and magic, voluntary associations, and philosophical schools.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a RELI 498 number may not take this course for credit.

RELI 496 Independent Studies in Religions and Cultures (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

The student works with an individual faculty member in a particular field of religious orJudaic studies, as a reading course.

Component(s):

"Independent Study"

Notes:

- Students who have received credit for RELI 495 may not take this course for credit.

RELI 498 Advanced Topics in Religions and Cultures (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.310 Department of Sociology and Anthropology

Department of Sociology and Anthropology

Anthropology Programs
- BA Honours in Anthropology
- BA Specialization in Anthropology
- BA Major in Anthropology
- Minor in Anthropology

Sociology Programs
- BA Honours in Sociology
- BA Specialization in Sociology
- BA Major in Sociology
- Minor in Sociology

Joint Program in Anthropology and Sociology
- BA Joint Specialization in Anthropology and Sociology

Sociology and Anthropology Co-operative Programs

Department of Sociology and Anthropology Courses

Department of Sociology and Anthropology

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/sociology-anthropology.html

Department Objectives

Sociology and Anthropology examine the processes of social and cultural life in diverse human societies, past and present. These core disciplines of the social sciences are closely linked to the humanities, since various aspects of culture and society concern them all.

The celebration of diversity — cultural, ethnic, and racial — among the students and faculty as well as in the subject matter, is a hallmark of the Department. It offers a full range of undergraduate programs, including joint programs in both disciplines.

BA Honours in Anthropology

Program Requirements

Honours in Anthropology (60 credits)

3 credits:

- ANTH 202 Introduction to Culture (3.00)

Note: Students exempted from ANTH 202 are required to take three credits of Anthropology courses at the 200 or 300 level.

3 credits:

- SOCI 212 Statistics I (3.00)

Note: Students exempted from SOCI 212 are required to take three credits of Sociology courses at the 200 or 300 level.

6 credits of Anthropology courses at the 200 level

3 credits of Sociology courses at the 200 level

3 credits:

- ANTH 212 Linguistic Anthropology (3.00)

3 credits:

- ANTH 301 History of Anthropological Thought (3.00)

6 credits:

- ANTH 315 Field Research (6.00)

15 credits of Anthropology courses at the 300 or 400 level

6 credits:

- ANTH 495 Honours Essay (6.00)

12 credits of Anthropology courses at the 400 level

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of 30 Concordia University credits. These credits should include program-related courses.

- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in Anthropology

Program Requirements

Specialization in Anthropology (60 credits)

3 credits:

- ANTH 202 Introduction to Culture (3.00)

Note: Students exempted from ANTH 202 are required to take three credits of Anthropology courses at the 200 or 300 level.

3 credits:

- SOCI 212 Statistics I (3.00)

Note: Students exempted from SOCI 212 are required to take three credits of Sociology courses at the 200 or 300 level.

6 credits of Anthropology courses at the 200 level

3 credits of Sociology courses at the 200 level

3 credits:

- ANTH 212 Linguistic Anthropology (3.00)

3 credits:

- ANTH 301 History of Anthropological Thought (3.00)

6 credits:

- ANTH 315 Field Research (6.00)

33 credits of Anthropology courses at the 300 or 400 level, with a maximum of 18 credits at the 300 level

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Major in Anthropology

Program Requirements

Major in Anthropology (42 credits)

3 credits:

- ANTH 202 Introduction to Culture (3.00)

Note: Students exempted from ANTH 202 are required to take three credits of Anthropology courses at the 200 or 300 level.

3 credits of Anthropology courses at the 200 level

3 credits of Anthropology or Sociology courses at the 200 level

3 credits of Sociology courses at the 200 level

3 credits:

- ANTH 301 History of Anthropological Thought (3.00)

6 credits:

- ANTH 315 Field Research (6.00)

15 credits of Anthropology courses at the 300 or 400 level

6 credits of Anthropology courses at the 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Anthropology

Program Requirements

Minor in Anthropology (30 credits)

3 credits:

- ANTH 202 Introduction to Culture (3.00)

Note: Students exempted from ANTH 202 are required to take three credits of Anthropology courses at the 200 or 300 level.

3 credits of Anthropology courses at the 200 level

3 credits of Anthropology or Sociology courses at the 200 level

3 credits:

- ANTH 301 History of Anthropological Thought (3.00)

15 credits of Anthropology courses at the 300 level

3 credits of Anthropology courses at the 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Honours in Sociology

Program Requirements

Honours in Sociology (60 credits)

3 credits:

- SOCI 203 Introduction to Society (3.00)

Note: Students exempted from SOCI 203 are required to take three credits of Sociology courses at the 200 or 300 level.

6 credits:

- SOCI 212 Statistics I (3.00)
- SOCI 213 Statistics II (3.00)

Note: Students exempted from SOCI 212 are required to take three credits of Sociology courses at the 200 or 300 level.

3 credits of Anthropology courses at the 200 level

6 credits:

- SOCI 300 Classical Social Theory (6.00)

3 credits:

- SOCI 310 Research Methods (3.00)

6 credits:

- SOCI 402 Contemporary Sociological Theory (3.00)
- SOCI 403 Contemporary Cultural Theory (3.00)

6 credits:

- SOCI 409 Honours Seminar (6.00)

6 credits chosen from:

- SOCI 410 Research Design and Analysis (6.00)
- SOCI 415 Field Research (6.00)

21 credits of Sociology elective courses, with a maximum of six credits at the 200 level

Notes

- Students interested in entering an honours program should consult their departmental honours advisor or undergraduate program director. Normally, students may apply for this change following the completion of 30 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Specialization in Sociology

Program Requirements

Specialization in Sociology (60 credits)

3 credits:

- SOCI 203 Introduction to Society (3.00)

Note: Students exempted from SOCI 203 are required to take three credits of Sociology courses at the 200 or 300 level.

6 credits:

- SOCI 212 Statistics I (3.00)
- SOCI 213 Statistics II (3.00)

Note: Students exempted from SOCI 212 are required to take three credits of Sociology courses at the 200 or 300 level.

3 credits of Anthropology courses at the 200 level

6 credits:

- SOCI 300 Classical Social Theory (6.00)

3 credits:

- SOCI 310 Research Methods (3.00)

6 credits:

- SOCI 402 Contemporary Sociological Theory (3.00)
- SOCI 403 Contemporary Cultural Theory (3.00)

6 credits chosen from:

- SOCI 410 Research Design and Analysis (6.00)
- SOCI 415 Field Research (6.00)

21 credits of Sociology elective courses, with a maximum of six credits at the 200 level

6 credits of Sociology courses at the 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Major in Sociology

Program Requirements

Major in Sociology (42 credits)

3 credits:

- SOCI 203 Introduction to Society (3.00)

Note: Students exempted from SOCI 203 are required to take three credits of Sociology courses at the 200 or 300 level.

6 credits:

- SOCI 212 Statistics I (3.00)
- SOCI 213 Statistics II (3.00)

Note: Students exempted from SOCI 212 are required to take three credits of Sociology courses at the 200 or 300 level.

3 credits of Anthropology courses at the 200 level

6 credits:

- SOCI 300 Classical Social Theory (6.00)

3 credits:

- SOCI 310 Research Methods (3.00)

18 credits of Sociology elective courses, with a maximum of six credits at the 200 level

3 credits of Sociology courses at the 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Sociology

Program Requirements

Minor in Sociology (30 credits)

3 credits:

- SOCI 203 Introduction to Society (3.00)

Note: Students exempted from SOCI 203 are required to take three credits of Sociology courses at the 200 or 300 level.

6 credits of Sociology courses at the 200 level

6 credits:

- SOCI 300 Classical Social Theory (6.00)

6 credits of Sociology elective courses

9 credits of Sociology courses at the 300 level

Notes

- Students are responsible for satisfying their particular degree requirements.

BA Joint Specialization in Anthropology and Sociology

Program Requirements

Joint Specialization in Anthropology and Sociology (60 credits)

3 credits:

- ANTH 202 Introduction to Culture (3.00)

Note: Students exempted from ANTH 202 are required to take three credits of Anthropology courses at the 200 or 300 level.

3 credits:

- SOCI 203 Introduction to Society (3.00)

Note: Students exempted from SOCI 203 are required to take three credits of Sociology courses at the 200 or 300 level.

6 credits:

- SOCI 212 Statistics I (3.00)
- SOCI 213 Statistics II (3.00)

Note: Students exempted from SOCI 212 are required to take three credits of Sociology courses at the 200 or 300 level.

3 credits:

- ANTH 301 History of Anthropological Thought (3.00)

6 credits:

- SOCI 300 Classical Social Theory (6.00)

6 credits:

- ANTH 315 Field Research (6.00)

6 credits of Anthropology courses at the 400 level

6 credits of Sociology courses at the 400 level

21 credits of Anthropology and Sociology courses, including 15 credits chosen from cross-listed courses, with a maximum of six credits at the 200 level chosen from either cross-listed or non-cross-listed courses

Notes

- Students are responsible for satisfying their particular degree requirements.

Sociology and Anthropology Co-operative Programs

The Co-op Program

The Sociology and Anthropology co-operative program is offered to students who are enrolled in the Honours in Sociology, Specialization in Sociology/Honours in Anthropology, Specialization in Anthropology, or Major in Sociology or Major in Anthropology. Students interested in applying for the Sociology and Anthropology co-op should refer to Institute for Co-operative Education where a full description of the admission requirements is provided.

Academic content is identical to that of the regular program, but study terms are interspersed with three work terms. Students are supervised personally and must meet the requirements specified by the Faculty of Arts and Science and the Institute for Co-operative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers and the Institute for Co-operative Education is provided by the Sociology and Anthropology co-op committee, which includes the student's advisors. Please refer to Institute for Co-operative Education for additional information.

C.Edge (Career Edge)

The Sociology and Anthropology C.Edge option is offered through the Institute for Co-operative Education. Like the co-operative program, C.Edge allows students to gain practical experience through work terms related to their field of study. It is limited to one or two work terms, normally in the summer. Students interested in applying for the C.Edge option should refer to Institute for Co-operative Education where a full description is provided.

Department of Sociology and Anthropology Courses

Quick Links

Anthropology Courses

Sociology Courses

Anthropology Courses

ANTH 202 Introduction to Culture (3 credits)

Description:

An introduction to the anthropological study of culture. The course begins with a consideration of the concepts, models, and methods used by anthropologists. This is followed by an examination of the many ways in which peoples of the world, past and present, have organized the activities, institutions, and belief systems that sustain social life. The course concludes with a discussion of the relevance of cultural anthropology to contemporary issues.

Component(s):

"Lecture"; "Tutorial"

ANTH 203 Culture and Biology (3 credits)

Description:

This course focuses on the interrelationship between culture and human biology. The course examines current debates about evolutionary theory, human origins, the dispersal of the human species, and human adaptations occurring with agriculture in the Holocene and industrialization in the Anthropocene. In addition, issues of human variation and cultural adaptation allow a critical examination of how biology makes culture possible and how culture influences the direction of biological evolution.

Component(s):

"Lecture"

ANTH 204 Indigenous Peoples of North America (3 credits)

Description:

Focusing primarily on the Indigenous peoples of Canada, this course examines the ecological, economic, social, and religious aspects of Indigenous cultures. A representative society from each geographic area of Canada is studied. This course is primarily ethnographic in emphasis, but it also seeks to provide some of the social and historical background necessary to understand the current situation of Indigenous communities.

Component(s):

"Lecture"

ANTH 212 Linguistic Anthropology (3 credits)

Description:

This introductory course explores the relationship between language and culture, and the use of language in society. Major issues and debates in linguistic anthropology and in the sociology of language are examined.

Component(s):

"Lecture"

ANTH 221 Symbolic Anthropology (3 credits)

Description:

This course examines alternative theoretical approaches to the study of the role of symbols in society. The course is devoted to a consideration of the contributions of structural, psychoanalytic, and interpretive anthropology.

Component(s):

"Lecture"

ANTH 230 Race and Ethnic Relations (3 credits)

(also listed as BLST 230 / SOCI 230)

Description:

Race and ethnicity are examined as bases of social differentiation. Ethnic group relations are analyzed in relation to stratification and the exercise of power. The course further involves exploration of the phenomena of discrimination, prejudice, and intergroup accommodation.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for BLST 230 or SOCI 230 may not take this course for credit.

ANTH 231 Culture and Commerce (3 credits)

Description:

This course explores the influence of cultural values on the organization of the production, distribution or marketing, and the consumption of goods and services at both the local and global levels of the world economy. It also examines the social and environmental impact of the globalization of the consumer society.

Component(s):

"Lecture"

ANTH 252 Food and Culture (3 credits)

(also listed as SOCI 252)

Prerequisite/Corequisite:

Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered.

Description:

This course is an introduction to the study of food from a cultural perspective. Themes may include a) archaeology of food production (domestication of plants and animals); b) class, cuisine, and the development of taste; c) food symbolism; and d) the political economy of food and hunger.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 252, or for this topic under an ANTH 298 or SOCI 298 number, may not take this course for credit.

ANTH 255 The Caribbean: History and Political Economy (3 credits)

Description:

As an introduction to the social and cultural history of the Caribbean, primarily since 1492, this course focuses on the diverse cultures of the region, the development and legacy of the political economy of plantation society, as well as empire and globalization, resistance and rebellion, decolonization, cultural creolization and the broad struggle for Caribbean freedom.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ANTH 298 number may not take this course for credit.

ANTH 270 Anthropology and Contemporary Issues (3 credits)

Description:

This course examines contemporary world issues from a cross-cultural perspective. Discussion ranges from a critical examination of anthropological concepts and methods to a consideration of some of the practical or applied uses of

anthropology. Specific topics include the consequences of underdevelopment, modernization, and the place of folk cultures and tradition in an increasingly global society.

Component(s):

"Lecture"

ANTH 272 Comparative Culture (3 credits)

Description:

This course is a general introduction to social and cultural anthropology. It examines the ways in which anthropologists use the comparative method to understand cultures in their unity and diversity. The focus is upon reading ethnographies.

Component(s):

"Lecture"

ANTH 276 Gender and Society (3 credits)

(also listed as SOCI 276)

Description:

This course explores the social construction of gender categories both historically and in the present. The focus is upon examining the various theoretical perspectives which attempt to explain the ways in which society has organized "masculine" and "feminine" as the basis for social inequalities.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered.A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 276 may not take this course for credit.

ANTH 277 Contemporary Issues in Economy, Society, and Biodiversity (3 credits)

(also listed as SOCI 277)

Description:

This course explores the contemporary intersection of economic, societal, and ecological dynamics in capitalist societies while providing students with tools to understand and explain the historical embeddedness of these processes. Offering a comprehensive introductory view of these issues, the course deploys a multidisciplinary socio-anthropological approach that also incorporates insight from geography, environmental sciences, and political science.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 277, or for this topic under an ANTH 298 or SOCI 298 number, may not take this course for credit.

ANTH 284 Risk Society and Social Control (3 credits)

(also listed as SOCI 284)

Description:

This course introduces students to literature that discusses risk, surveillance, and social control. Emphasizing sociological and anthropological approaches, topics may include risk and surveillance in the contexts of local and global migrations, our changing climate, policing and national security, public health and medical care, work and leisure, consumption and addiction, urban spaces, and digital traces of our social relations and cultures. The course also prepares students interested in taking more advanced courses that deal with themes of risk, surveillance, fear, digital culture, consumption and addiction in everyday life.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 284, or for this topic under an ANTH 298 or SOCI 298 number, may not take this course for credit.

ANTH 298 Selected Topics in Anthropology (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

ANTH 299 Selected Topics in Anthropology (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

Component(s):

"Lecture"

ANTH 301 History of Anthropological Thought (3 credits)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200level Anthropology courses.

Description:

This course provides students with a historical overview of anthropological theory. Through the study of original theoretical and ethnographic texts, students engage with the interplay between theory and ethnography and recognize the continued relevance of canonical debates to the contemporary discipline.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ANTH 311 or 312 may not take this course for credit.

ANTH 302 Art, Aesthetics, and Anthropology (3 credits)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200level Anthropology courses.

Description:

This course examines the relationship between art and society. It is mainly concerned with analyzing how art may function as a means of signifying and perpetuating a given social order. Examples of artistic practice are drawn from diverse North and South American, African, and Melanesian cultures.

Component(s):

"Lecture"

ANTH 303 Indigenous Resurgence (3 credits)

(also listed as SOCI 303)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200level Anthropology courses.

Description:

Through a selection of case studies from the Americas, Australia, and New Zealand, this course focuses on contemporary indigenous political struggles, cultural resurgence, race and identity, language revival, urbanization, transnational organization, indigenous media, and debates concerning tradition.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 303 may not take this course for credit.

ANTH 305 Culture and History (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course analyzes some of the ways "history" has been understood both in our own and other cultures, including history as legitimating charter, as repeating cycle, as a scientific inquiry, as a series of unique events, and as a basis for ethical judgments.

Component(s):

"Lecture"

ANTH 307 Understanding Myths (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course presents a survey of current anthropological theories of the nature and function of myths. The course also analyzes competing interpretations of some classic Western myths, and concludes with an examination of mythmaking in contemporary Western culture.

Component(s):

"Lecture"

ANTH 315 Field Research (6 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course provides the opportunity to study and practise qualitative research methods as they are used by anthropologists. Students learn systematic procedures for the collection of primary data using methods that include

participant-observation and formal and informal interviewing.

Component(s):

"Lecture"

ANTH 319 Socio-Environmental Issues (3 credits)

(also listed as SOCI 319)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course provides a comprehensive introduction to the main environmental issues and dilemmas affecting contemporary societies around the world, as well as the necessary sociological and anthropological tools to understand and tackle these challenges.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 319 may not take this course for credit.

ANTH 320 The Governance of 'Nature' (3 credits)

(also listed as SOCI 320)

Prerequisite/Corequisite:

The following course must be completed previously: SOCI 203 or equivalent; and 3 credits of 200-level Sociology courses.

Description:

This course explores historically enduring non-governmental institutions - such as botanic gardens, museums, and zoos and/or other institutions similar in kind - that seek to work in the service of society and play a role in the governance of 'nature' by producing and disseminating social, cultural, and environmental scientific knowledge in informal education settings. Topics covered may include the intersection of these institutions with the emergence of Modernity, European colonialism/coloniality, and current decolonization debates, as well as their reinvention in the 20th and 21st century as sites of socio-environmental conservation and climate change adaptation.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 320, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

ANTH 322 Popular Culture in the Middle East (3 credits)

(also listed as SOCI 322)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course examines areas of contestation between such social forces in the Middle East as the state, elders, women, and youth as they seek to control and define popular culture and everyday practices which have become highly politicized. Contested domains to be considered include mass media, dance and music, art, rituals, sexuality, and clothing, and their implications for the people and societies involved.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 322 or ANTH 323, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

ANTH 324 Peoples and Cultures of the Pacific Islands (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course presents an overview of the peoples and cultures of the Pacific Islands, with particular emphasis on Melanesia. In addition to studying the peopling of the Pacific, the course delves into a range of classic anthropological topics, and addresses contemporary issues of gender, migration, and urbanization.

Component(s):

"Lecture"

ANTH 325 Magic, Science, Religion, and Ideology (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course analyzes belief systems and their attendant rituals and practices. The focus is on how anthropologists differentiate between magic, science, religion, and ideology, and how anthropologists understand the relationship between belief systems and reality.

Component(s):

"Lecture"

ANTH 326 Peoples and Cultures of Sub-Saharan Africa (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

The course gives a broad historical and geographical survey of the region, and discusses, through case studies, older and contemporary topics, debates, and issues of African anthropology.

Component(s):

"Lecture"

ANTH 332 Health, Illness and Healing in Cross-Cultural Perspective (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course explores beliefs and practices surrounding illness and healing across various cultures. A range of issues is examined, including, for example, social and cultural constructions of the body, disease causation, ethnomedicine, healing efficacy, biomedical technology, ethics, medical pluralism, global health, and the impact of a globalized medical/pharmaceutical industry. The course involves engagement with both theoretical and practical questions.

Component(s):

"Lecture"

ANTH 343 Media Ethnographies (3 credits)

(also listed as SOCI 343)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

Focusing on mass media (radio, television, cinema, print), this course considers how ethnographic approaches to media production and consumption may alter, or sometimes reinforce, dominant understandings of the impact of media. A range of theories of the social and cultural impacts of mass media, as well as ethnographic perspectives on audiences in everyday life are explored.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 343, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

ANTH 345 Movement and Travel (3 credits)

(also listed as SOCI 345)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

Drawing on contemporary interdisciplinary studies of mobility, this course examines the processes, policies, and issues that may be common to different categories of travel and movement as well as those that can distinguish between them.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 345 or for this topic under an ANTH 398 number may not take this course for credit.

ANTH 349 Youth: Anthropological and Sociological Perspectives (3 credits)

(also listed as SOCI 349)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course brings anthropological and sociological perspectives to bear on the ways in which youths view and interact with each other and the world.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 349, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

ANTH 352 Population and Environment (3 credits)

(also listed as SOCI 352)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

Population and environment have become two of the most contested areas for theory, research, policy and public action. The course critically examines the pillars of the population and the environment discourses with attention to differences between developed and developing countries. It provides an overview of the evolution of demands for population control to a common acceptance of a reproductive rights perspective. Similarly, the course focuses on current debates on environment and the management of the global commons from both the industrialized and developing countries' perspectives.

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 352 may not take this course for credit.

ANTH 353 Questioning Community (3 credits)

(also listed as SOCI 353)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

Community is a term that appears frequently in academic as well as everyday language but it is used to convey a wide variety of meanings. This course provides a critical review of some of the groupings, feelings, claims, ideas as well as types and qualities of relationships that can be associated with community. Can such an ambiguous term still be analytically useful?

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 353 or SCPA 353 may not take this course for credit.

ANTH 355 Urban Regions (3 credits)

(also listed as SOCI 355)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200level Anthropology courses.

Description:

This course reviews the work of anthropologists and sociologists in cities. The focus is on the social organization of social life in First and Third World urban spaces. Consideration is also given to the particular dynamics of fieldwork in urban settings.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 355 or SCPA 355 may not take this course for credit.

ANTH 361 Kinship and Relatedness (3 credits)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200level Anthropology courses.

Description:

This course examines the changing significance of kinship in anthropology as well as in people's lives and covers classic and contemporary approaches to kinship through ethnographic examples from across the world. Topics discussed may include

descent, incest, sex and marriage; feminist and queer critiques; and the influence of globalization, new media and reproductive technologies on relatedness.

Component(s):

"Lecture"

ANTH 363 Law and Society (3 credits)

(also listed as SOCI 363)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course situates the study of law in a historical, philosophical, and cross-cultural perspective. It explores numerous issues of relevance to the legitimacy of contemporary Western legal systems, such as the relationship between law and morality, the idea of right prior to good, and the nature of legal reasoning. It may also involve an examination of the kinds of institutions found in place of courts in non-Western societies.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 363 may not take this course for credit.

ANTH 375 Social Construction of Sexualities (3 credits)

(also listed as SOCI 375)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200level Anthropology courses.

Description:

This course provides a cross-cultural, interdisciplinary approach to the study of human sexuality. There are three major components. One explores the validity of contemporary sexual beliefs and attitudes. Another focuses on the extent to which sexual beliefs and behaviours are socially organized. A third provides an introduction to theories which examine how biological and/or social forces shape our sexual lives.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 375 may not take this course for credit.

ANTH 377 Visual Anthropology (3 credits)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200level Anthropology courses.

Description:

In looking at the history of ethnographers' visual documentation of non-Western peoples as well as indigenous self-representations, this course primarily concerns itself with power and the development of professional anthropology, focusing on photography and film. It explores paradigms and case studies in the history of visual anthropology by highlighting the stylistic, social scientific, commercial, and political agendas that influence the production of visual documents. Starting with colonial exhibitions of "exotic natives," the course progresses to classic and contemporary ethnographic film with a focus on Curtis, Flaherty, Mead, Gardner, Rouch, and MacDougall.

Component(s):

"Lecture"

ANTH 378 The Family (3 credits)

(also listed as SOCI 378)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course examines the family as an institution in relation to its evolution from kinship societies up to the present. The course first introduces elementary structures of kinship and examines the family institution in the context of traditional societies. Special attention is devoted to the development of the modern family and to its current transformation.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 378 may not take this course for credit.

ANTH 379 Cross-Cultural Perspectives on Gender (3 credits)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200level Anthropology courses.

Description:

The course explores through different theoretical perspectives and ethnographic examples, cross-cultural differences in sex/gender systems. A comparative analysis of gender relations in band, tribal, and state societies is undertaken. Topics discussed include the sexual division of labour, the cultural and social construction of gender, and the impact of economic development.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SOCI 379 may not take this course for credit.

ANTH 380 Contemporary Issues in Human Rights (3 credits)

(also listed as SOCI 380)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

The course develops, through case analysis, insight into the differing priorities and competing concepts of human rights and human dignity in "non-Western" cultural traditions as well as in "Western" societies. It explores the significance of religious and other ideological positions in the use and abuse of human rights by governments, extra-governments, international bodies, as well as the general public. The course also examines topics such as women's human rights, sexuality and human rights, and human rights in development, the limits of sovereignty, and state accountability.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 380 may not take this course for credit.

ANTH 381 Ethnic Communities in Canada (3 credits)

(also listed as SOCI 381)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course aims at familiarizing students with the social factors and dynamics of contemporary ethno-cultural communities in Canada. Topics may include the immigration process and settlement; community development, structures, and organizations; the ethnic family; socio-economic status and achievement; cultural continuity and change; minority-majority relations and relations with other ethno-cultural communities.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 381 may not take this course for credit.

ANTH 384 Food and Sustainability (3 credits)

(also listed as SOCI 384)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course critically examines the existing food system by asking whether it is economically, socially and ecologically sustainable. It explores the politics of food by introducing students to existing and emerging social movements whose goal is to build a more sustainable food system.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 384, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

ANTH 385 Globalization and Transnationality (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

This course introduces students to a sample of issues covered by anthropologists and sociologists in respect to this process, while at the same time also exploring transnational social networks that cross state borders but are not necessarily global in scope.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SOCI 385 may not take this course for credit.

ANTH 398 Selected Topics in Anthropology (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

ANTH 399 Selected Topics in Anthropology (6 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed ANTH 202 or equivalent, plus at least three credits of 200-level Anthropology courses.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

ANTH 405 Cultural Imperialism (3 credits)

(also listed as SOCI 405)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course offers a critical investigation of theoretical work of cultural imperialism and is useful for exploring some prominent cultural and media theories in both sociology and anthropology. The course focuses particularly on the intersections of culture, media, and international relations. Students examine the role of propaganda in foreign policy; ownership and control over media production and distribution; questions of assimilation, acculturation, and resistance;

theories of technological determinism and the critiques they have provoked; and cargo cults. A broad range of case studies dealing with the arts, news reporting, consumption, and knowledge production in academia is also considered.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 405, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

ANTH 420 Psychological Anthropology (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course examines and critiques the theoretical concepts of Western academic and folk psychology from the perspective of the psychologies of other cultures. Topics considered include the cultural construction of the emotions, personality development, perception, culture-bound psychiatric syndromes (such as windigo psychosis, amok), and altered states of consciousness, and indigenous theories of dream interpretation.

Component(s):

"Lecture"

ANTH 423 Political Anthropology (3 credits)

Prerequisite/Corequisite:

400level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300level Anthropology courses or permission of the Anthropology advisor.

Description:

This course examines the political process and political organization in cross-cultural perspective. The focus is on how order is achieved in the absence of the state, as well as questions of leadership, power, and authority in different social contexts.

Component(s):

"Lecture"

ANTH 424 Experiments and Experience in Ethnographic Writing (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course examines debates that stemmed from the postmodern critique of representation in anthropology in the mid-1980s. This critique has highlighted new politics for the writing of ethnographic texts, as well as raised a number of epistemological questions relating to the ontological status of truth. The course focuses on recent experiments in ethnographic writing and on dynamics of fieldwork experience.

Notes:

- Students who have received credit for ANTH 422 may not take this course for credit.

ANTH 425 Religions in the 21st Century (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course examines the contemporary roles of religion as systems of meaning, a focus of social claims, and as elements of self-expression. This discussion is set within the historical trajectories of instances of globalization, such as colonization and the spread of world religions, conversions to Christianity and liberation theories, the politicization of Islam, or the emergence of New Age religions as new forms of identity.

ANTH 427 Thinking Beyond Humans (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course begins with the premise that in order to fully understand the impact that people have had on the world around us, it is necessary to start by seriously questioning the idea of the "human." The course is an opportunity to explore emerging themes in anthropological research, from environmental studies to cybernetics alongside key works of philosophy, literature and social science in the "post-humanist" tradition.

Component(s):

"Lecture"

ANTH 429 The Thought of Karl Marx (3 credits)

(also listed as SOCI 429)

Prerequisite/Corequisite:

The following course must be completed previously: ANTH 301 and 9 credits of 300-level Anthropology courses. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this course, students undertake a study of Karl Marx's critical theory of society through a sustained engagement with his most comprehensive work, *Capital,* and other texts. The course allows students to discover the continuing relevance of his thought in illuminating the deep structure and movement of contemporary capitalist society.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 429, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

ANTH 430 Development Debates (3 credits)

(also listed as SOCI 430)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course considers the systematic reduction of poverty and powerlessness at individual and societal levels. Several development problems are examined, including national debt crisis, population growth, urbanization, and various degrees of state withdrawal from regulating the market. Special emphasis is given to case studies from major regions of the Third World on the varied impact of development on gender relations and on the eradication of social and economic inequalities.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 430 may not take this course for credit.

ANTH 431 Neo-Marxism and Cultures (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course analyzes the relationships between economy and cultural systems. The first section is devoted to the concept of economic base and superstructure in the industrial world; the second section focuses on selected case studies of non-industrial cultures and industrial cultures. The course concludes with an appraisal of the quality of economic life in non-industrial cultures.

Component(s):

"Lecture"

ANTH 433 Theories of Identity (3 credits)

(also listed as SOCI 433)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course discusses theories of difference, pluralism, exclusion, nationalism, and racism within broader frameworks such as citizenship, multiculturalism, diaspora or transnationalism. This course will therefore review related theories of identity as these are currently addressed within anthropology/sociology and related disciplines.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 433 may not take this course for credit.

ANTH 440 Culture, Language, and Mind (3 credits)

Prerequisite/Corequisite:

400level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300level Anthropology courses or permission of the Anthropology advisor.

Description:

This course looks at the relationship between linguistics and anthropology, and examines some of the issues in the linkage between language, culture, and thought.

Component(s):

"Seminar"

ANTH 441 Material Culture (3 credits)

(also listed as SOCI 441)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course studies material objects and technologies and their role in the production of everyday social life and culture.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 441 may not take this course for credit.

ANTH 444 International Indigenism (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course reviews, examines and critically assesses the international indigenous peoples' movement and the articulation of indigenous identities, rights, communities and politics from a global perspective.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ANTH 498 number may not take this course for credit.

ANTH 449 The Culture of Touch (3 credits)

(also listed as SOCI 449)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course examines social practices involving touch, a basic medium for human interaction. Topics may include gender differences in the use of touch, how children are handled across cultures, the medical applications of touch in diverse traditions, the tactile dimensions of urban design, and humans' contact with and impact on the natural world.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 449, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

ANTH 450 Social Economy and Sustainable Futures (3 credits)

(also listed as SOCI 450)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course introduces a number of emerging alternative models of social economy that envision sustainable global futures in contrast to the current model of neoliberal globalization.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 450, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

ANTH 462 The New Imperialism (3 credits)

(also listed as SOCI 462)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This research seminar brings into focus the anthropology and sociology of contemporary empire-building. Topics may include nation-building, global and domestic counterinsurgency, “humanitarian intervention,” the ideologies of militarism, the militarization of the social sciences and the broader society, the national security state, soft power, the media and information operations, hegemony and capital accumulation.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 462, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

ANTH 463 Current Debates in Kinship (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

From its inception, the anthropological investigation of kinship has been centred around organization and regulation of so-called biological facts such as procreation and genetic relatedness or "consanguinity." The course examines how international adoption, new reproductive technologies, and gay and lesbian kinship reshape the way people think about kinship.

Component(s):

"Lecture"

ANTH 464 Advanced Studies in Law and Society (3 credits)

(also listed as SOCI 464)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

Law and society studies is an interdisciplinary field that seeks to understand the meaning of law and its role/effects in society. It draws variously on legal scholarship, sociological and anthropological theory, as well as empirical research in the social sciences. This course covers material from each of these domains, with a focus on issues such as the use of violence, the management of diversity, and the use of law as a tool for social change.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.

- Students who have received credit for SOCI 464, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

ANTH 465 Legal Anthropology (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course analyzes the legal system as an institutionalized system of social control and meanings, using historical and comparative data. Special attention is given to the study of the interface of law and other areas of sociological inquiry, including social change, conflict, and decision-making.

ANTH 471 Food and Social Change (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This advanced course explores the links between socio-cultural change and changes in food patterns, practices and ideologies, from theoretical and ethnographic perspectives. Topics may include the relationships of food changes to technology, migration, everyday life, taste, ethics and globalization.

Component(s):

"Lecture"

ANTH 472 Childhood and Youth (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course examines the increasingly diverse field of anthropological research on children and youths. This field of interest has recently been expanded to consider a wide range of arenas in which children and youth may be implicated across the world, such as consumption, mobility, media, work, and conflict.

Component(s):

"Lecture"

ANTH 474 The Body Social (3 credits)

(also listed as SOCI 474)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course examines the social roles of the body. Topics include body image and self-esteem, the symbolism of beauty and ugliness, height, hair, dress, the face, body language, health and fitness, eating and drinking patterns. The subject is considered in anthropological and sociological perspectives.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 474 may not take this course for credit.

ANTH 475 Men and Masculinities (3 credits)

(also listed as SOCI 475)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course is a review of the various and changing roles of men, the meanings of masculinity across cultures and the emerging men's movements. In a dialogue with feminism, the course moves towards humanism.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 475 may not take this course for credit.

ANTH 477 Elites, Privilege and Relative Advantage (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course reviews the analytical and comparative challenges posed by the study of the elites such as scientists, entrepreneurs, and politicians. More modest forms of relative advantage and privilege are also addressed.

ANTH 479 Feminism and Anthropology (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course explores the dialogue between feminist theory and anthropology. Topics discussed include "feminist standpoint" theory and the critique of "objectivity" in feminist philosophy of science; feminist contributions to the historical development of anthropological theory; and the relationship between feminism and postmodernism in current debates on ethnography and fieldwork.

Component(s):

"Lecture"

ANTH 483 Nationalism and Racism (3 credits)

(also listed as SOCI 483)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

Nationalism and racism are modern social phenomena. This course investigates the social conditions for their emergence and their political implications. Attention is given to case studies exemplifying these sociological developments.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 483, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

ANTH 484 Surveillance Studies (3 credits)

(also listed as SOCI 484)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

This course considers many facets of surveillance in daily life. Emphasizing sociological and anthropological approaches, topics may include communications surveillance, surveillance in schools and the workplace, surveillance in medical care and public health settings, surveillance in the city, and surveillance futures.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course is entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for SOCI 484 or for this topic under a SOCI 498 number may not take this course for credit.

ANTH 495 Honours Essay (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: ANTH 315. Permission of the honours advisor is required. 400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses.

Description:

Under the supervision of an Anthropology staff member, the student prepares an honours essay on a subject chosen in consultation with and approved by the professor.

Component(s):

"Lecture"

ANTH 498 Advanced Topics in Anthropology (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

Component(s):

"Lecture"

ANTH 499 Advanced Topics in Anthropology (6 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed ANTH 301, plus at least nine credits of 300-level Anthropology courses or permission of the Anthropology advisor.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

Sociology Courses

SOCI 203 Introduction to Society (3 credits)

Description:

An introduction to the sociological study of society. The course begins with a consideration of the concepts, models, and methods used by sociologists. This is followed by an examination of selected substantive areas of social life, ranging from the relations between individuals and groups to total societies.

Component(s):

"Lecture"; "Tutorial"

SOCI 212 Statistics I (3 credits)

Description:

This course provides an introduction to the basic principles of statistics for social scientists. Topics include the concept of the level of measurement, standardization, the interpretation of graphs, measures of univariate distributions, cross classification, elementary measures of association, and the logic of controls. The emphasis is on the implications of these statistical techniques for theoretical understanding of sociology and anthropology.

Component(s):

"Lecture"

Notes:

- Priority to enrol in this course is given to students who are in a Sociology or Anthropology program.
- Students who have received credit for BIOL 322, COMM 215, ECON 221, GEOG 362, MAST 333 or PSYC 315 may not take this course for credit.

SOCI 213 Statistics II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOCI 212.

Description:

This course is designed to follow Statistics I. Topics include measures of association, the principles of probability and sampling distributions, hypothesis testing, and tests of significance. The emphasis is on the implications of these statistical techniques for theoretical understanding in sociology and anthropology. This course also introduces students to SPSS (statistical software).

Component(s):

"Lecture"

Notes:

- Priority to enrol in this course is given to students who are in a Sociology or Anthropology program.
- Students who have received credit for ECON 221 and ECON 222, MAST 221 and MAST 333, PSYC 315 and PSYC 316, or STAT 249 and STAT 250 may not take this course for credit.

SOCI 221 Digital Culture (3 credits)

Description:

This course offers a critical examination of the role of electronic communication, information technology, and the Internet in public culture and the organization of social behaviour and interaction.

Component(s):

"Lecture"; "Tutorial"

SOCI 225 Sociology Through Film (3 credits)

Description:

The course introduces sociological topics through popular films. Cinema, television, and online videos are selected as examples that can be understood through sociological concepts. Students are provided with a general foundation in sociological thought and interdisciplinary approaches for study at more advanced levels.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SOCI 298 number may not take this course for credit.

SOCI 230 Race and Ethnic Relations (3 credits)

(also listed as ANTH 230/ BLST 230)

Description:

Race and ethnicity are examined as bases of social differentiation. Ethnic group relations are analyzed in relation to stratification and the exercise of power. The course further involves exploration of the phenomena of discrimination, prejudice, and intergroup accommodation.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 230 or BLST 230 may not take this course for credit.

SOCI 244 Sociology of Leisure (3 credits)

Description:

The course examines the effects of social, economic, and political institutions upon the structure and use of leisure time. The emphasis is upon historical changes and the implications of alienation, anomie, and inequality.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SOCI 344 may not take this course for credit.

SOCI 250 Sociology of Culture (3 credits)

Description:

This course provides an introduction to theory and research on the sociology of culture, the organization and dynamics of cultural systems, cultural production and consumption, subcultures, mass culture, popular culture, and strategies of interpretive analysis for the study of culture.

Component(s):

"Lecture"

SOCI 252 Food and Culture (3 credits)

(also listed as ANTH 252)

Description:

This course is an introduction to the study of food from a cultural perspective. Themes may include a) archaeology of food production (domestication of plants and animals); b) class, cuisine, and the development of taste; c) food symbolism; and d) the political economy of food and hunger.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 252, or for this topic under an ANTH 298 or SOCI 298 number, may not take this course for credit.

SOCI 261 Social Problems (3 credits)

Description:

Students examine a range of social problems related to aging, health, poverty, population growth, crowding, crime and justice, gender and gender orientation, inequality, media, non-medical drug use, suicide, globalization, and race, ethnicity, and language issues. Attention is focused on the process by which social problems are defined and recognized, and social policies developed and modified.

Component(s):

"Lecture"

SOCI 262 Social Deviance (3 credits)

Description:

This course focuses on the ways in which deviance and normalcy are socially constructed. It examines how deviance is related to social norms and how norms come into being. Deviance is viewed as a social process of interaction and relation that derives from the social structure and has consequences for it. Various forms of deviance are also considered in terms of contemporary social theory and research.

Component(s):

"Lecture"

SOCI 263 Youth Crime and Deviance (3 credits)

Description:

This course examines the nature of youth crime and youth deviance and their social causes and consequences. Youth crime, as a special kind of deviance, receives the focus of attention, with emphasis on youth criminal justice and the social control of youth deviance generally.

Component(s):

"Lecture"

SOCI 264 Sociology of Sport (3 credits)

Description:

This course provides a systematic analysis of the social influences upon sport in North America. Special attention is directed to the interrelationships between sport and various social institutions.

Component(s):

"Lecture"

SOCI 274 The Sociology of Aging (3 credits)

Description:

This course examines the changes in society and in living conditions as populations and people age. The sources and the effects of these changes are looked at in the light of several substantive areas and in terms of their implications for social policy. While the major emphasis is on the Canadian experience, some comparative materials are used to widen the perspective.

Component(s):

"Lecture"

SOCI 275 Self and Society (3 credits)

Description:

This course studies the basic concepts and theories regarding social definitions of the Self. Emphasis is placed on ideas regarding personality, motivation, and interpersonal attitudes, viewed in terms of the interplay between actors and social structures.

Component(s):

"Lecture"

SOCI 276 Gender and Society (3 credits)

(also listed as ANTH 276)

Description:

This course explores the social construction of gender categories both historically and in the present. The focus is upon examining the various theoretical perspectives which attempt to explain the ways in which society has organized "masculine" and "feminine" as the basis for social inequalities.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 276 may not take this course for credit.

SOCI 277 Contemporary Issues in Economy, Society, and Biodiversity (3 credits)

(also listed as ANTH 277)

Description:

This course explores the contemporary intersection of economic, societal, and ecological dynamics in capitalist societies while providing students with tools to understand and explain the historical embeddedness of these processes. Offering a comprehensive introductory view of these issues, the course deploys a multidisciplinary socio-anthropological approach that also incorporates insight from geography, environmental sciences, and political science.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 277, or for this topic under an ANTH 298 or SOCI 298 number, may not take this course for credit.

SOCI 280 Debates and Challenges in Contemporary Quebec Society / La Société québécoise : défis et enjeux (3 credits)

Description:

How distinct is Quebec from the rest of Canada? What are the most important challenges confronting Quebec society? This course provides students with a sense of Quebec's history and demographics, a basic knowledge of provincial social policies, information pertaining to culture, identity and language issues, as well as key concepts which are useful to anyone who aims to live and work in Quebec. Dans quelle mesure le Québec est-il distinct du reste du Canada? Quels sont les principaux défis auxquels le Québec est confronté? Ce cours offre aux étudiants une fenêtre sur l'histoire du Québec, sa démographie, ses politiques publiques et sa culture, tout en procurant des repères utiles à quiconque souhaite vivre et travailler au Québec.

Component(s):

"Lecture"

Notes:

- This course is offered in either English or French. Consult the Undergraduate Class Schedule for details. Ce cours est offert en anglais ou en français. Prière de consulter l'horaire des cours de premier cycle pour en savoir plus.

SOCI 282 Canadian Society (3 credits)

Description:

Analysis of Canadian social structure and change; the relation of the whole of Canadian society to its constituent elements; the relation of Canadian society to its international environment.

Component(s):

"Lecture"

SOCI 284 Risk Society and Social Control (3 credits)

(also listed as ANTH 284)

Description:

This course introduces students to literature that discusses risk, surveillance, and social control. Emphasizing sociological and anthropological approaches, topics may include risk and surveillance in the contexts of local and global migrations, our changing climate, policing and national security, public health and medical care, work and leisure, consumption and addiction, urban spaces, and digital traces of our social relations and cultures. The course also prepares students interested in taking more advanced courses that deal with themes of risk, surveillance, fear, digital culture, consumption and addiction in everyday life.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 284, or for this topic under an ANTH 298 or SOCI 298 number, may not take this course for credit.

SOCI 2910 HIV/AIDS in the 20th Century: Historical, Cultural and Interdisciplinary Perspectives (3 credits)

(also listed as FFAR 291)

Description:

This course is an interdisciplinary survey of the major issues and challenges of the AIDS pandemic before the year 2000, introducing students to a broadly based overview of its scientific, social and cultural impacts. Students examine the history of the pandemic and responses to it by governments, medical authorities, businesses, religious and community groups, as well as artists and cultural producers.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FFAR 290, FFAR 291, FFAR 390, INTE 270, INTE 390, SOCI 290, SSDB 270, or for this topic under a COMS 399, INTE 298, INTE 398, or SOCI 399 number, may not take this course for credit.

SOCI 292 Cultural Studies and Creation in HIV/AIDS (3 credits)

(also listed as FFAR 292)

Description:

This interdisciplinary course examines the cultural, creative, and artistic responses to HIV/AIDS. Through the lens of diverse historical and contemporary forms of expression, course content and class discussions focus on pandemic-related narratives relevant to the intersections of race, gender and sexuality.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FFAR 290, FFAR 292, INTE 270, INTE 390, SOCI 290, SSDB 270, or for this topic under a FFAR 398, INTE 398, or SOCI 399 number, may not take this course for credit.

SOCI 298 Selected Topics in Sociology (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

Component(s):

"Lecture"

SOCI 299 Selected Topics in Sociology (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

Component(s):

"Lecture"

SOCI 300 Classical Social Theory (6 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course involves an examination of the origins of sociology and of the sociological works of 19th- and early-20th-century European theorists, with consideration of the social and political context. Particular emphasis is given to the works of Durkheim, Marx, and Weber. Readings include primary sources and critical commentaries.

Component(s):

"Lecture"; "Tutorial"

SOCI 303 Indigenous Resurgence (3 credits)

(also listed as ANTH 303)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

Through a selection of case studies from the Americas, Australia, and New Zealand, this course focuses on contemporary indigenous political struggles, cultural resurgence, race and identity, language revival, urbanization, transnational organization, indigenous media, and debates concerning tradition.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 303 may not take this course for credit.

SOCI 310 Research Methods (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOCI 212. 300level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course introduces students to the concepts, language, and techniques of quantitative and qualitative research methods. It familiarizes students with the initiation of research problems, the gathering of accurate data, their analysis and the interpretation and reporting of research findings. This course also introduces students to library research.

Component(s):

"Lecture"

SOCI 319 Socio-Environmental Issues (3 credits)

(also listed as ANTH 319)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to

the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course provides a comprehensive introduction to the main environmental issues and dilemmas affecting contemporary societies around the world, as well as the necessary sociological and anthropological tools to understand and tackle these challenges.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 319 may not take this course for credit.

SOCI 320 The Governance of 'Nature' (3 credits)

(also listed as ANTH 320)

Prerequisite/Corequisite:

The following course must be completed previously: SOCI 203 or equivalent; and 3 credits of 200-level Sociology courses.

Description:

This course explores historically enduring non-governmental institutions - such as botanic gardens, museums, and zoos and/or other institutions similar in kind - that seek to work in the service of society and play a role in the governance of 'nature' by producing and disseminating social, cultural, and environmental scientific knowledge in informal education settings. Topics covered may include the intersection of these institutions with the emergence of Modernity, European colonialism/coloniality, and current decolonization debates, as well as their reinvention in the 20th and 21st century as sites of socio-environmental conservation and climate change adaptation.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 320, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

SOCI 321 Sociology of Health, Illness and Medicine (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to

the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course examines health, illness and medicine as socio-cultural, rather than strictly biomedical, phenomena. Topics may include the sick role; stigma; the experience of illness; the concept of disease and disease classification; the politics of disease; medicalization of gender, "race," and disability; and the Canadian health-care system, including Big Pharma and Complementary and Alternative Medicine.

Component(s):

"Lecture"

Notes:

- 300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

SOCI 322 Popular Culture in the Middle East (3 credits)

(also listed as ANTH 322)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course examines areas of contestation between such social forces in the Middle East as the state, elders, women, and youth as they seek to control and define popular culture and everyday practices which have become highly politicized. Contested domains to be considered include mass media, dance and music, art, rituals, sexuality, and clothing, and their implications for the people and societies involved.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 322 or ANTH 323, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

SOCI 323 Economic Transformations in Capitalist Society (3 credits)

Prerequisite/Corequisite:

300level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200level Sociology courses.

Description:

This course maps the emergence of capitalist society and its transformations over the 20th century, and also explores a number of its contemporary dynamics. The course takes a panoramic and integrated approach to the analysis of capitalist society, demonstrating the deep interconnectedness of what is referred to as "the economy" to all aspects of social life.

Component(s):

"Lecture"

SOCI 325 Social Change (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course examines the sources, mechanisms, and consequences of social and cultural change. Classical and contemporary theories of change are analyzed, as well as significant empirical studies.

Component(s):

"Lecture"

SOCI 329 Sexual Labour and Society (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course explores the sociology of sexual labour; the historical and legal contexts of sex industries; health and safety; media representations; online interactions; the emergence of sex worker organizations; and the intersections of private belief, public morality, consumer capitalism and the organization of justice. In addition to providing an overview of theoretical and methodological paradigms, the course is grounded in a comparative perspective that critically examines a variety of current events.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SOCI 398 number may not take this course for credit.

SOCI 331 Social Inequalities (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course examines the dynamics of social stratification and differentiation, including economic distinctions and their consequences, social status, power, and mobility. Emphasis is placed upon Canadian society.

Component(s):

"Lecture"

SOCI 333 Political Sociology (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course is concerned with the nature, organization, distribution, determinants, and consequences of power in social systems.

Component(s):

"Lecture"

Notes:

- This course is equivalent to SCPA 333. Students who have received credit for SCPA 333 may not take this course for credit.

SOCI 336 Collective Action (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course is concerned with the nature, emergence, and dynamics of short-term collective action. Classical collective behaviour theories and contemporary interpretations of collective action are examined.

Component(s):

"Lecture"

SOCI 338 Sociology of Religion (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background

Description:

This course presents an overview of the role of religion in society as found in the pertinent literature of sociology and anthropology. Special consideration is given to the relationship between religion and other social institutions, with particular attention to changes in the religious structures and practices in modern pluralistic societies.

Component(s):

"Lecture"

SOCI 341 Sociology of the Media (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course provides an introduction to sociological debates on the relevance and impact of mass media in our society. With a focus on North American media, this course takes a historical perspective to explore the rise of the mass media and the transformation of its relation with culture, especially popular culture. Particular attention is given to themes such as media and identity, national identity; media structures and ownership concentration; media texts and audiences.

Component(s):

"Lecture"

SOCI 342 Sociology of Occupations (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course examines the role played by occupations and the world of work in industrialized societies. Economic, social, psychological, and moral attributes of occupations are examined in relation to changing markets for labour. Specific problem areas to be covered include changes in the structure of professions, the effects of changing technology and organizational design on occupational requirements, issues in work and household demands, issues in employment equity and problems of unemployment.

Component(s):

"Lecture"

SOCI 343 Media Ethnographies (3 credits)

(also listed as ANTH 343)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

Focusing on mass media (radio, television, cinema, print), this course considers how ethnographic approaches to media production and consumption may alter, or sometimes reinforce, dominant understandings of the impact of media. A range of theories of the social and cultural impacts of mass media, as well as ethnographic perspectives on audiences in everyday life are explored.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 343, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

SOCI 345 Movement and Travel (3 credits)

(also listed as ANTH 345)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

Drawing on contemporary interdisciplinary studies of mobility, this course examines the processes, policies, and issues that may be common to different categories of travel and movement as well as those that can distinguish between them.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.

- Students who have received credit for ANTH 345 or for this topic under an ANTH 398 number may not take this course for credit.

SOCI 347 Sociology of Labour-Management Relations (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

The course includes analyses of theories of management; the impact of the labour union movement, changes in the nature of the labour market; the significance of the growth of the service sector; the changing role of governments in labour-related issues; and contemporary thought on new forms of industrial organization.

Component(s):

"Lecture"

SOCI 349 Youth: Anthropological and Sociological Perspectives (3 credits)

(also listed as ANTH 349)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course brings anthropological and sociological perspectives to bear on the ways in which youths view and interact with each other and the world.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 349, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

SOCI 352 Population and Environment (3 credits)

(also listed as ANTH 352)

Prerequisite/Corequisite:

The following course must be completed previously: SOCI 212. 300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

Population and environment have become two of the most contested areas for theory, research, policy and public action. The course critically examines the pillars of the population and the environment discourses with attention to differences between developed and developing countries. It provides an overview of the evolution of demands for population control to a common acceptance of a reproductive rights perspective. Similarly, the course focuses on current debates on environment and the management of the global commons from both the industrialized and developing countries' perspectives.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 352 may not take this course for credit.

SOCI 353 Questioning Community (3 credits)

(also listed as ANTH 353)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

Community is a term that appears frequently in academic as well as everyday language but it is used to convey a wide variety of meanings. This course provides a critical review of some of the groupings, feelings, claims, ideas as well as types and qualities of relationships that can be associated with community. Can such an ambiguous term still be analytically useful?

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 353 or SCPA 353 may not take this course for credit.

SOCI 355 Urban Regions (3 credits)

(also listed as ANTH 355)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course reviews the work of anthropologists and sociologists in cities. The focus is on the social organization of social life in First and Third World urban spaces. Consideration is also given to the particular dynamics of fieldwork in urban settings.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 355 or SCPA 355 may not take this course for credit.

SOCI 358 Population Challenges of the 21st Century (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course provides an introduction to the basic principles, data, and methods of population studies through an examination of current issues such as the aging of the population; the sex imbalance in some countries; immigration and globalization; the future of the world population; cohabitation and the growing diversity of families. Social factors and the consequences for our societies of these demographic challenges are discussed.

Component(s):

"Lecture"

SOCI 362 Introduction to Criminology (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course is an introduction to criminology — the sociological study of crime. Through the course, students gain an understanding of criminality as a social phenomenon, including the role of criminal law in Canada; the social correlates of crime; underlying social processes involved in defining criminality; different approaches to the study of crime; and defining the concept of "crime" itself.

Component(s):

"Lecture"

SOCI 363 Law and Society (3 credits)

(also listed as ANTH 363)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course situates the study of law in a historical, philosophical, and cross-cultural perspective. It explores numerous issues of relevance to the legitimacy of contemporary Western legal systems, such as the relationship between law and morality, the idea of right prior to good, and the nature of legal reasoning. It may also involve an examination of the kinds of institutions found in place of courts in non-Western societies.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 363 may not take this course for credit.

SOCI 366 The History and Sociology of Genocide to 1945 (3 credits)

(also listed as HIST 359)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

Through the comparative and historical examination of a number of cases, this course investigates the meaning of genocide and the processes that have led to genocide up to 1945.

Component(s):

"Lecture"

Notes:

- This course is equivalent to HIST 359. Students who have received credit for HIST 359 may not take this course for credit.

SOCI 367 The History and Sociology of Genocide from 1945 to the Present (3 credits)

(also listed as HIST 360)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

Through the comparative and historical examination of a number of cases, this course investigates the meaning of genocide and the processes that led to genocide from 1945 to the present.

Component(s):

"Lecture"

Notes:

- This course is equivalent to HIST 360. Students who have received credit for HIST 360 may not take this course for credit.

SOCI 375 Social Construction of Sexualities (3 credits)

(also listed as ANTH 375)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course provides a cross-cultural, interdisciplinary approach to the study of human sexuality. There are three major components. One explores the validity of contemporary sexual beliefs and attitudes. Another focuses on the extent to which sexual beliefs and behaviours are socially organized. A third provides an introduction to theories which examine how biological and/or social forces shape our sexual lives.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program

requirements regardless of whether the student registered for the course as SOCI or ANTH.

- Students who have received credit for ANTH 375 may not take this course for credit.

SOCI 376 Socialization (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course examines the social and cultural processes by which the individual becomes a functioning member of society. Attention is given to adult socialization and re-socialization in diverse institutional contexts such as schools, occupations, hospitals, prisons, the military. The relationship of social structure to role acquisition and role performance is a major focus of the course.

Component(s):

"Lecture"

SOCI 378 The Family (3 credits)

(also listed as ANTH 378)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course examines the family as an institution in relation to its evolution from kinship societies up to the present. The course first introduces elementary structures of kinship and examines the family institution in the context of traditional societies. Special attention is devoted to the development of the modern family and to its current transformation.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 378 may not take this course for credit.

SOCI 380 Contemporary Issues in Human Rights (3 credits)

(also listed as ANTH 380)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

The course develops, through case analysis, insight into the differing priorities and competing concepts of human rights and human dignity in "non-Western" cultural traditions as well as in "Western" societies. It explores the significance of religious and other ideological positions in the use and abuse of human rights by governments, extra-governments, international bodies, as well as the general public. The course also examines topics such as women's human rights, sexuality and human rights, and human rights in development, the limits of sovereignty, and state accountability.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 380 may not take this course for credit.

SOCI 381 Ethnic Communities in Canada (3 credits)

(also listed as ANTH 381)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course aims at familiarizing students with the social factors and dynamics of contemporary ethno-cultural communities in Canada. Topics may include the immigration process and settlement; community development, structures, and organizations; the ethnic family; socio-economic status and achievement; cultural continuity and change; minority-majority relations and relations with other ethno-cultural communities.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 381 may not take this course for credit.

SOCI 383 Consumer Society (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course considers the historical emergence of consumerism in advanced industrial economies and continues to examine the developing characteristics of consumer societies in the present. Topics include the role of consumer goods in mediating social status and personal or collective identities, the relationship of consumerism to present ecological concerns, and the role of advertising and promotional discourse in the creation of new habits and expectations in everyday life.

Notes:

- Students who have received credit for this topic under a SOCI 398 number may not take this course for credit.

SOCI 384 Food and Sustainability (3 credits)

(also listed as ANTH 384)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

This course critically examines the existing food system by asking whether it is economically, socially and ecologically sustainable. It explores the politics of food by introducing students to existing and emerging social movements whose goal is to build a more sustainable food system.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 384, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

SOCI 398 Selected Topics in Sociology (3 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

Component(s):

"Lecture"

SOCI 399 Selected Topics in Sociology (6 credits)

Prerequisite/Corequisite:

300-level courses are open to students who have successfully completed SOCI 203 or equivalent, plus at least three credits of 200-level Sociology courses. Students in related disciplines who wish to take cognate courses in Sociology may apply to the Sociology undergraduate advisor for a prerequisite waiver on the basis of equivalent background.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

Component(s):

"Lecture"; "Tutorial"

SOCI 402 Contemporary Sociological Theory (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOCI 300. 400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course examines contemporary sociological theory. It focuses on how sociologists synthesize concepts from different sociological schools and disciplines (interactionism, phenomenology, functionalism, conflict theory, critical theory, political and moral philosophy) into general theories that seek to explain how social action, structure, the self, symbolic order, communication, technology, and social division are produced and reproduced in modern and postmodern societies.

Component(s):

"Lecture"

Notes:

- This course is equivalent to SOCI 408. Students who have received credit for SOCI 408 may not take this course for credit.

SOCI 403 Contemporary Cultural Theory (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOCI 300. 400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course examines a variety of approaches and area studies (poststructuralism, deconstruction, postcolonialist and cultural studies). It looks at how they shift contemporary sociological theory toward a focus on relations between discourse, knowledge, and power, and toward a critical reflection on cultural systems and institutions. The emphasis is on theories that seek to explain and understand the emergence of cultural politics in modern and postmodern societies.

Component(s):

"Lecture"

SOCI 405 Cultural Imperialism (3 credits)

(also listed as ANTH 405)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course offers a critical investigation of theoretical work of cultural imperialism and is useful for exploring some prominent cultural and media theories in both sociology and anthropology. The course focuses particularly on the intersections of culture, media, and international relations. Students examine the role of propaganda in foreign policy; ownership and control over media production and distribution; questions of assimilation, acculturation, and resistance; theories of technological determinism and the critiques they have provoked; and cargo cults. A broad range of case studies dealing with the arts, news reporting, consumption, and knowledge production in academia is also considered.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 405, or for this topic under an ANTH 398 or SOCI 398 number, may not take this course for credit.

SOCI 406 Sociology of Knowledge (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course examines a variety of theories of the relation of knowledge and belief to social contexts.

Component(s):

"Lecture"

SOCI 409 Honours Seminar (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SOCI 410 or SOCI 415. Permission of the honours advisor is required. 400level courses are open to students who have successfully completed at least six credits from 300level SOCI courses.

Description:

This course involves the student formulating an honours research proposal, and the research and writing of an honours paper.

Component(s):

"Seminar"

SOCI 410 Research Design and Analysis (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOCI 310. 400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course looks at quantitative methods of data collection and analysis. Topics include experimental and quasi-experimental design, principles of measurement, survey design, secondary data sources, techniques of multivariate analysis, and interpretation.

Component(s):

"Lecture"

SOCI 415 Field Research (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOCI 310. 400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course provides the opportunity for advanced qualitative research methods. Students are taught systematic procedures for the collection of primary data using methods that include participant-observation and formal and informal interviewing, survey research, and library research.

Component(s):

"Lecture"

Notes:

- This course is equivalent to SOCI 313, 314, 315 and ANTH 315. Students who have received credit for SOCI 313, 314, 315 or ANTH 315 may not take this course for credit.

SOCI 417 Understanding Popularity: Cultural Objects and Desire (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course examines how desire for mass-mediated cultural objects is socially embedded and subjectively embodied. The course also explores why some cultural works are ranked above others and celebrated (e.g. the classic, the top-rated, the iconic, the trending, and the time-tested), while others are devalued, hidden, ignored, forgotten, or suppressed. The empirical focus may be on book writing, reading, and appraisal or on other cultural practices and objects.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SOCI 404 may not take this course for credit.

SOCI 421 Sociology of Emotions (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course explores the dynamic relationship between social and emotional life. Emotional experience is understood to emerge through interaction, to orient social action, and to form the basis of social order and social change. Topics may include forms of suffering and well-being, health and illness, personal appearance, social movements, self-help, consumption, identity, popular culture, and campaigns of fear and desire.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SOCI 498 number may not take this course for credit.

SOCI 424 Applied Social Statistics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SOCI 213 and SOCI 310. 400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course explores statistical tools and techniques commonly used in sociological research, and provides an opportunity to work with large databases. The sessions are designed in an applied manner with weekly hands-on applications and/or case studies using the Statistical Package for the Social Sciences (SPSS) program.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SOCI 498 number may not take this course for credit.

SOCI 428 Capitalism and Crisis (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course offers an advanced study of the contemporary dimensions of capitalist society from an approach known as political economy, emphasizing the interconnectedness of those areas of social life that are conventionally differentiated as the economy, politics and culture. The course focuses on the dynamics of crisis — the breakdown of socio-economic systems — and investigates crisis, in its various expressions, as a built-in dynamic of capitalist societies.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SOCI 498 number may not take this course for credit.

SOCI 429 The Thought of Karl Marx (3 credits)

(also listed as ANTH 429)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

In this course, students undertake a study of Karl Marx's critical theory of society through a sustained engagement with his most comprehensive work, *Capital*, and other texts. The course allows students to discover the continuing relevance of his thought in illuminating the deep structure and movement of contemporary capitalist society.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.

- Students who have received credit for ANTH 429, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

SOCI 430 Development Debates (3 credits)

(also listed as ANTH 430)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course considers the systematic reduction of poverty and powerlessness at individual and societal levels. Several development problems are examined, including national debt crisis, population growth, urbanization, and various degrees of state withdrawal from regulating the market. Special emphasis is given to case studies from major regions of the Third World on the varied impact of development on gender relations and on the eradication of social and economic inequalities.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 430 may not take this course for credit.

SOCI 433 Theories of Identity (3 credits)

(also listed as ANTH 433)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course discusses theories of difference, pluralism, exclusion, nationalism, and racism within broader frameworks such as citizenship, multiculturalism, diaspora or transnationalism. This course will therefore review related theories of identity as these are currently addressed within anthropology/sociology and related disciplines.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 433 may not take this course for credit.

SOCI 434 Sociology of Suicide (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course reviews the important body of literature on suicide since Durkheim's foundational study, with a particular focus on the sociological writings.The course also provides an overview of the key features of contemporary suicide in Canada, including the emergence of youth suicide and suicide among First Peoples.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SOCI 498 number may not take this course for credit.

SOCI 437 Social Movements (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

The nature, emergence, and dynamics of organized collective behaviour and social movements are examined in light of classical and contemporary theories. The course focuses on the impact of leadership, organizational resources, and discontent with institutionalized social relations on social movements. Contemporary social movements in Quebec, the rest of Canada, and the U.S. serve as illustrations.

Component(s):

"Lecture"

SOCI 441 Material Culture (3 credits)

(also listed as ANTH 441)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

The focus of this course is the study of material objects and technologies and their role in the production of everyday social life and culture.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 441 may not take this course for credit.

SOCI 445 Sociology of Labour Movements (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course analyzes the origins and development of labour movements as well as contemporary characteristics of union organizations within the context of their social, political, and economic environments. Emphasis is placed on Canada and Quebec.

Component(s):

"Lecture"

SOCI 449 The Culture of Touch (3 credits)

(also listed as ANTH 449)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course examines social practices involving touch, a basic medium for human interaction. Topics may include gender differences in the use of touch, how children are handled across cultures, the medical applications of touch in diverse traditions, the tactile dimensions of urban design, and humans' contact with and impact on the natural world.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 449, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

SOCI 450 Social Economy and Sustainable Futures (3 credits)

(also listed as ANTH 450)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course introduces a number of emerging alternative models of social economy that envision sustainable global futures in contrast to the current model of neoliberal globalization.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 450, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

SOCI 451 Citizenship, Eros and the City (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course invites students to explore the relation between classic and contemporary texts in the field of social and political thought. The three interrelated areas of study include Citizenship, Eros and the City. The course explores diverse theories of democracy, community, love, and civil society. The integrating theme for these three areas is public and private relationships in the city.

Component(s):

"Lecture"

SOCI 453 Media Sociology and Journalism (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course invites students to participate in developing a media sociology that situates journalism in broad social-historical contexts. In addition to an introduction to media sociologies, the course explores current changes in journalism practices and the impact of digital culture on information, news and public life.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SOCI 498 number may not take this course for credit.

SOCI 460 Sociology of Fear and Risk (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course explores the subjective, moral, cultural, and embodied dimensions of the individual experience and social production of fear. It considers the role of fear in processes of social ordering and change, emotional socialization, and emotion management. Risk is examined as a dominant form of fear structured by the contemporary relationship to danger and security in Western societies.

Component(s):

"Lecture"

SOCI 462 The New Imperialism (3 credits)

(also listed as ANTH 462)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This research seminar brings into focus the anthropology and sociology of contemporary empire-building. Topics may include nation-building, global and domestic counterinsurgency, "humanitarian intervention," the ideologies of militarism, the militarization of the social sciences and the broader society, the national security state, soft power, the media and information operations, hegemony and capital accumulation.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 462, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

SOCI 464 Advanced Studies in Law and Society (3 credits)

(also listed as ANTH 464)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

Law and society studies is an interdisciplinary field that seeks to understand the meaning of law and its role/effects in society. It draws variously on legal scholarship, sociological and anthropological theory, as well as empirical research in the social sciences. This course covers material from each of these domains, with a focus on issues such as the use of violence, the management of diversity, and the use of law as a tool for social change.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 464, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

SOCI 474 The Body Social (3 credits)

(also listed as ANTH 474)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course examines the social roles of the body. Topics include body image and self-esteem, the symbolism of beauty and ugliness, height, hair, dress, the face, body language, health and fitness, eating and drinking patterns. The subject is considered in anthropological and sociological perspectives.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 474 may not take this course for credit.

SOCI 475 Men and Masculinities (3 credits)

(also listed as ANTH 475)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course is a review of the various and changing roles of men, the meanings of masculinity across cultures and the emerging men's movements. In a dialogue with feminism, the course moves towards humanism.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 475 may not take this course for credit.

SOCI 476 Contemporary Feminist Thought (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course examines contemporary feminist theories and the role of the feminist theorist in society. Focusing in particular on debates and perspectives since the latter part of the 20th century, the course addresses issues such as gender, equality, difference, identity, intersectionality, and power.

Component(s):

"Lecture"

SOCI 478 Motherhood and Childlessness (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course focuses on motherhood, childlessness, and the reproductive decision-making process both critically and sociologically with a view to understanding what these phenomena can tell us about social relations generally. Topics may include involuntary and voluntary childlessness/child freedom, motherhood and mothering, single, queer, racialized and other motherhoods, intensive mothering, maternal ambivalence, maternal desire and regret, and mothers who leave.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a SOCI 498 number may not take this course for credit.

SOCI 483 Nationalism and Racism (3 credits)

(also listed as ANTH 483)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

Nationalism and racism are modern social phenomena. Description: This course investigates the social conditions for their emergence and their political implications. Attention is given to case studies exemplifying these sociological developments.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 483, or for this topic under an ANTH 498 or SOCI 498 number, may not take this course for credit.

SOCI 484 Surveillance Studies (3 credits)

(also listed as ANTH 484)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

This course considers many facets of surveillance in daily life. Emphasizing sociological and anthropological approaches, topics may include communications surveillance, surveillance in schools and the workplace, surveillance in medical care and public health settings, surveillance in the city, and surveillance futures.

Component(s):

"Lecture"

Notes:

- Entry requirements for Sociology/Anthropology crosslisted courses depend on the discipline through which the course was entered. A crosslisted SOCI/ANTH course counts as either SOCI or ANTH as needed to satisfy the program requirements regardless of whether the student registered for the course as SOCI or ANTH.
- Students who have received credit for ANTH 484 or for this topic under a SOCI 498 number may not take this course for credit.

SOCI 498 Advanced Topics in Sociology (3 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

Component(s):

"Lecture"

SOCI 499 Advanced Topics in Sociology (6 credits)

Prerequisite/Corequisite:

400-level courses are open to students who have successfully completed at least six credits from 300-level SOCI courses.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule and the Departmental Handbook.

Component(s):

"Lecture"

Section 31.330 Department of Theological Studies

Department of Theological Studies

Theological Studies Programs
- Theological Studies Program Notes
- BA Honours in Theological Studies
- BA Major in Theological Studies
- Minor in Theological Studies
- Certificate in Pastoral Care
- Theological Studies Course Groups

Department of Theological Studies Courses

Department of Theological Studies

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/theology.html

Department Objectives

Theology builds a bridge between religious experience and human society. To expand understanding of the human person and of God, the Department seeks to make accessible to all its students an immense tradition of knowledge — especially through interpretation theory, historical analysis, psychological insight, and theoretical elaboration. The Department is dedicated to training professional theologians and researchers while expanding the horizons of those who wish to appreciate their heritage.

Theological Studies Program Notes

- Students must have their programs approved by the Department.
- Students will be admitted to the Certificate in Pastoral Care with the permission of the Department. Admission will be based on the number of available places and upon evaluation of the candidates' letter of intent and an interview dealing with their educational background and community experience.
- All courses in the Department are open to any qualified student of Concordia.

BA Honours in Theological Studies

Program Requirements

Honours in Theological Studies (60 credits)

18 credits:

- THEO 201 Introduction to Theological Studies (3.00)
- THEO 202 Introduction to Biblical Studies (3.00)
- THEO 204 Introduction to Christian Ethics (3.00)
- THEO 205 Introduction to Christian Spirituality (3.00)
- THEO 206 Introduction to Christian Origins (3.00)
- THEO 243 Indigenous Spirituality (3.00)

9 credits chosen from the following groups:

Scripture (Old Testament)

Scripture (New Testament)

Note: Students must take a minimum of three credits and a maximum of six credits from each Scripture Course Group.

9 credits chosen from the following group:

History and Tradition

9 credits chosen from the following group:

Ethics and Spirituality

9 credits chosen from:

- THEO 406 The History of Biblical Research (3.00)
- THEO 408 Classical Theological Texts: Reading and Interpretation (3.00)
- THEO 492 Biblical Hebrew I (3.00)
- THEO 493 Biblical Hebrew II (3.00)
- THEO 495 Biblical Greek I (3.00)
- THEO 496 Biblical Greek II (3.00)

6 credits:

- THEO 410 Honours Tutorial (3.00)

- THEO 460 Honours Essay (3.00)

Notes

- Students interested in entering an honours program should consult their undergraduate program director. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Theological Studies

Program Requirements

Major in Theological Studies (45 credits)

18 credits:

- THEO 201 Introduction to Theological Studies (3.00)
- THEO 202 Introduction to Biblical Studies (3.00)
- THEO 204 Introduction to Christian Ethics (3.00)
- THEO 205 Introduction to Christian Spirituality (3.00)
- THEO 206 Introduction to Christian Origins (3.00)
- THEO 243 Indigenous Spirituality (3.00)

9 credits chosen from the following groups:

Scripture (Old Testament)

Scripture (New Testament)

Note: Students must take a minimum of three credits and a maximum of six credits from each Scripture Course Group.

9 credits chosen from the following group:

History and Tradition

9 credits chosen from the following group:

Ethics and Spirituality

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Theological Studies

Program Requirements

Minor in Theological Studies (24 credits)

12 credits:

- THEO 201 Introduction to Theological Studies (3.00)
- THEO 202 Introduction to Biblical Studies (3.00)
- THEO 203 Introduction to the New Testament (3.00)
- THEO 204 Introduction to Christian Ethics (3.00)

12 credits chosen from other Theology Courses

Notes

- Students are responsible for satisfying their particular degree requirements.

Certificate in Pastoral Care

Program Requirements

Certificate in Pastoral Care (30 credits)

12 credits:

- THEO 202 Introduction to Biblical Studies (3.00)
- THEO 205 Introduction to Christian Spirituality (3.00)
- THEO 402 Pastoral Care (3.00)
- AHSC 230 Interpersonal Communication and Relationships (3.00)

3 credits chosen from:

- PSYC 230 Womb to Tomb: Psychological Transitions Across the Lifespan (3.00)
- PSYC 333 Fundamentals of Lifespan Development (3.00)

3 credits chosen from:

- THEO 311 John's Writings and the Apocalypse (3.00)
- THEO 315 Gospels and Acts (3.00)
- THEO 317 Paul's Letters (3.00)

3 credits chosen from:

- THEO 206 Introduction to Christian Origins (3.00)
- THEO 320 History of Christianity: The Medieval Period (3.00)
- THEO 322 History of Christianity: Reformation and Modernity (3.00)

3 credits chosen from:

- THEO 212 Faith, Reason and the Religious Sense (3.00)
- THEO 233 Religious Pluralism in a Secular Culture (3.00)
- THEO 331 The Christian Understanding of God (3.00)
- THEO 333 Jesus Christ in History and Faith (3.00)
- THEO 337 The Christian Sacraments (3.00)

3 credits chosen from:

- THEO 204 Introduction to Christian Ethics (3.00)
- THEO 351 Applied Ethical Issues (3.00)

- THEO 353 Theology and Bioethics (3.00)

3 credits chosen from:

- THEO 236 Spirituality: Personal, Social and Religious Dimensions (3.00)
- THEO 242 Theology and the Arts (3.00)
- THEO 243 Indigenous Spirituality (3.00)
- THEO 245 The Creative Self (3.00)
- THEO 291 The Icon: Theology in Colour (3.00)
- THEO 347 Spirituality of Aging (3.00)
- THEO 404 Practicum in Pastoral Care (3.00)

Notes

- Students will be admitted to the Certificate in Pastoral Care with the permission of the Department. Admission will be based on the number of available places and upon evaluation of the candidates' letter of intent and an interview dealing with their educational background and community experience.
- Students are responsible for satisfying their particular program requirements.

Theological Studies Course Groups

Scripture (Old Testament)

- THEO 301 The Pentateuch (3.00)
- THEO 302 Historiographies in the Bible (3.00)
- THEO 304 Prophetic and Wisdom Literature in the Hebrew Bible (3.00)
- THEO 319 Extra-Biblical Literature (3.00)

Scripture (New Testament)

- THEO 203 Introduction to the New Testament (3.00)
- THEO 311 John's Writings and the Apocalypse (3.00)
- THEO 315 Gospels and Acts (3.00)
- THEO 317 Paul's Letters (3.00)

Ethics and Spirituality

- THEO 212 Faith, Reason and the Religious Sense (3.00)
- THEO 233 Religious Pluralism in a Secular Culture (3.00)
- THEO 234 Pilgrim Bodies, Sacred Journeys (3.00)
- THEO 236 Spirituality: Personal, Social and Religious Dimensions (3.00)
- THEO 238 Theology in Film (3.00)
- THEO 245 The Creative Self (3.00)
- THEO 295 Theology and Women (3.00)
- THEO 343 Religion and Politics (3.00)
- THEO 347 Spirituality of Aging (3.00)
- THEO 351 Applied Ethical Issues (3.00)
- THEO 353 Theology and Bioethics (3.00)
- THEO 403 Ignatian Spirituality: Theory and Method (3.00)

History and Tradition

- THEO 226 Theology and Myth (3.00)
- THEO 228 Celtic Christianity (3.00)
- THEO 232 The Bible in US Politics (3.00)
- THEO 242 Theology and the Arts (3.00)
- THEO 291 The Icon: Theology in Colour (3.00)
- THEO 320 History of Christianity: The Medieval Period (3.00)
- THEO 321 Reform and Heresy in the Middle Ages (3.00)
- THEO 322 History of Christianity: Reformation and Modernity (3.00)
- THEO 324 Roman Catholicism (3.00)
- THEO 331 The Christian Understanding of God (3.00)
- THEO 333 Jesus Christ in History and Faith (3.00)
- THEO 337 The Christian Sacraments (3.00)
- THEO 393 Philosophical Foundations of Christian Theology (3.00)

Department of Theological Studies Courses

THEO 201 Introduction to Theological Studies (3 credits)

Description:

This course introduces students to the history, sources, and basic structure of Christian theology. A survey of certain interrelationships between theology and other disciplines is provided as well as an introduction to contemporary approaches to God and topics such as Jesus Christ, sin, and redemption.

Component(s):

"Lecture"

THEO 202 Introduction to Biblical Studies (3 credits)

Description:

This course provides a survey of the contents of the Bible, from Genesis to Revelation, and a practical introduction to the skills required to understand biblical texts. Attention is paid to diverse approaches to interpretation which are used in historical, literary, or theological study of the Bible.

THEO 203 Introduction to the New Testament (3 credits)

Description:

This course deals with the writings of the New Testament with an emphasis on both content and form. As well, students are introduced to the socio-political, economic, and cultural backdrops within which earliest Christianity arose and began to spread.

Component(s):

"Lecture"

THEO 204 Introduction to Christian Ethics (3 credits)

Description:

This course is an introduction to the field of ethics in the context of Christian faith. Christian ethics is presented as an active quest towards understanding and guiding Christian moral living. There are four parts to this course: 1) a brief exploration of the historical background; 2) key insights on moral knowing, moral persons and the social dimension of moral life; 3) a consideration of the problem of evil and the response of Christian faith; and 4) an exploration of how moral development shapes and informs one's relationship with and understanding of God.

Component(s):

"Lecture"

THEO 205 Introduction to Christian Spirituality (3 credits)

Description:

This course involves the analysis of characteristics of Christian spirituality, its roots in scripture, the balance between contemplation and action, its communal dimension, and its attitude to the world.

Component(s):

"Lecture"

THEO 206 Introduction to Christian Origins (3 credits)

Description:

This course is a study of the historical origins of Christianity with a view to understanding the creative originality of the Christian tradition. The course focuses on the ways in which communities and individuals in the first six centuries Common Era understood the Bible and interpreted its traditions to address their historical, social, and theological contexts, and their spiritual needs.

Component(s):

"Lecture"

THEO 212 Faith, Reason and the Religious Sense (3 credits)

Description:

This course investigates the basic human search for meaning and value in the context of the variety of models of revelation. It considers how religious experience is understood in the light of the psychology of religion and faith.

Component(s):

"Lecture"

THEO 226 Theology and Myth (3 credits)

Description:

This course is a comparative study of mythology. The focus is on the role of myths in Christian theology, e.g. creation myths, origins of humanity, salvation myths, and others.

Component(s):

"Lecture"

THEO 228 Celtic Christianity (3 credits)

(also listed as IRST 228)

Description:

This course follows a historical line to show the connections of the pre-Christian Celtic beliefs with the early Christian Church of Celtic countries. It focuses on the spirituality of the Celtic people in the context of Celtic history and culture.

Component(s):

"Lecture"

Notes:

- Students who have received credit for IRST 228 may not take this course for credit.

THEO 232 The Bible in US Politics (3 credits)

Description:

This course focuses on the use of the Bible in US politics (immigration, abortion, LGBTQ2+ rights, climate change, creationism, and other topics) through the study of the history of Christian conservatism in the United States. Biblical interpretation is examined in the context of the Christian Right and dominionist currents such as Christian Reconstructionism and the New Apostolic Reformation.

Notes:

- Students who have taken this course under a THEO 298 number may not take this course for credit.

THEO 233 Religious Pluralism in a Secular Culture (3 credits)

Description:

This course focuses on the relationships between religion, pluralism, and secular culture. It deals specifically with secularization, secularism and theological responses that are rooted in historical discourses of church/state relations.

Component(s):

"Lecture"

THEO 234 Pilgrim Bodies, Sacred Journeys (3 credits)

Description:

This course examines the history, politics, and spirituality of transformative journey in both theory and practice. Interdisciplinary exploration of a diversity of sources, including sacred texts and secular literature, art, architecture and music, as well as contemporary pop culture, facilitates a meaningful understanding and experience of pilgrimage as a growing postmodern phenomenon with an ancient global history. This course offers the opportunity for individual and group fieldwork, investigating the material, corporeal and performative dimensions of theology.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a LOYC 298 number may not take this course for credit.

THEO 236 Spirituality: Personal, Social and Religious Dimensions (3 credits)

Description:

This course focuses on the phenomenon of spirituality as a personal and social response to the human quest for self-integration and self-transcendence. It examines the roles of both religious tradition and secular culture in shaping approaches to the spiritual journey. Consideration of the characteristics of Christian spiritual traditions is complemented by reflection upon the meaning and variety of spiritualities present in the pluralistic postmodern culture.

Component(s):

"Lecture"

THEO 238 Theology in Film (3 credits)

Description:

This course examines a series of films to uncover their theological preoccupations, motives, and questions. Methods of analyses are discussed, in conjunction with screenings of selected films.

Component(s):

"Lecture"

THEO 242 Theology and the Arts (3 credits)

Description:

This course explores a wide variety of ancient, modern, and contemporary artistic media — painting, sculpture, architecture, glass, music, literature, and multimedia — in order to uncover a theological understanding of artistic activity. It investigates the ways in which artists explore apprehensions of transcendence and the artistic imagination.

THEO 243 Indigenous Spirituality (3 credits)

Description:

This course explores Indigenous spirituality through its various epistemologies (ways of knowing) and axiologies (ways of acting). A key component of the course is studying the emerging field of Indigenous methodologies. Students encounter some of the many expressions of Indigenous spirituality, as it is concretely embedded in all aspects of existence (physical, emotional) and in all our relations, that is, to the land, to human and non-human animals, and to the spirit-imbued world surrounding us. Consideration is also given to the relationship between Indigenous and non-Indigenous spiritualities and methodologies.

Component(s):

"Lecture"

THEO 245 The Creative Self (3 credits)

Description:

This course helps students explore their own creative processes in order to come to a deeper appreciation of the infinite human capacity for creation, and thus, self-transcendence. It considers the cognitive dimensions of the creative processes, their ethical aspects, their expression in human action, and their impact on ultimate value and meaning.

Component(s):

"Lecture"

THEO 291 The Icon: Theology in Colour (3 credits)

Description:

The icon is both a theological medium and a theological message. The first is expressed by design, the latter by colour. The study of the icon offers the student an opportunity to explore theological meaning through image and symbolism as well as concept and reasoning.

Component(s):

"Lecture"

THEO 295 Theology and Women (3 credits)

Description:

This course explores the emergence of a body of scholarly writing by women theologians. It looks at their questions and the critiques of traditional theological doctrines and interpretations, as well as suggesting different hermeneutical approaches to exegesis, theology, and history.

Component(s):

"Lecture"

THEO 298 Selected Topics in Theological Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

THEO 299 Selected Topics in Theological Studies (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

THEO 301 The Pentateuch (3 credits)

Description:

The objective of this course is to familiarize students with the first five books of the Bible, known as the Pentateuch. The course considers literary criticism pertaining to the composition of the Pentateuch, its themes, and their theological meanings.

Component(s):

"Lecture"

THEO 302 Historiographies in the Bible (3 credits)

Description:

Beginning with an introduction to biblical historiographies, this course discusses how the Bible provides different perspectives of Israel's history. It focuses on the rereading of the past as a means of actualizing traditions, concepts, prophecies, and stories to make these relevant to communities living in a new and different social, political and cultural context.

Component(s):

"Lecture"

THEO 304 Prophetic and Wisdom Literature in the Hebrew Bible (3 credits)

Description:

This course introduces the prophetic, wisdom, and deuterocanonical books of the Hebrew Bible. Topics discussed are literary genres, historical contexts, and theological themes, as well as the phenomenon of prophecy in the ancient Near East, the historical settings for the biblical prophetic and wisdom literature, the language, and the message of these biblical books.

Component(s):

"Lecture"

THEO 311 John's Writings and the Apocalypse (3 credits)

Description:

This course offers an in-depth study of the Gospel of John, the three letters of John and the Book of Revelation (the Apocalypse). Attention is given to Christology, salvation, belief and the role of the Spirit. The Book of Revelation is studied from a historical perspective with some discussion about its contemporary reception.

Component(s):

"Lecture"

THEO 315 Gospels and Acts (3 credits)

Description:

This course is an introduction to the texts and teachings of the four canonical Gospels and to the Acts of the Apostles.

Component(s):

"Lecture"

THEO 317 Paul's Letters (3 credits)

Description:

This course is an introduction to Paul and his letters. In studying these writings, students engage in close examination of parts of the text (exegesis) and also discover the history and context of earliest Christianity.

Component(s):

"Lecture"

THEO 319 Extra-Biblical Literature (3 credits)

Description:

This course explores extra-biblical texts relevant to the study of the Old Testament as well as to the New Testament. Texts may include the Dead Sea Scrolls, Old Testament Pseudepigrapha, the Nag Hammadi corpus, and Christian Apocrypha. Themes such as salvific knowledge, cosmogony and creation, anthropogony, Christology, and soteriology are also considered from a comparative perspective.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a THEO 298 number may not take this course for credit.

THEO 320 History of Christianity: The Medieval Period (3 credits)

Description:

This course offers a study of Christianity from Late Antiquity to the dawn of the Reformation. It explores the history of the Christian Church in the West and in the East, the development of Christian thought and the formation of doctrine focusing on the most important theological figures of the period and history of movements and ideas. Students work with primary sources on diverse topics including but not limited to the conversion of Europe; religious acculturation of pagan peoples; the power and appeal of Christian saints; Christian kingship; monastic, scholastic, and lay piety; pilgrimage; Crusade; dissent and institutional response; and the relationship to those outside the faith.

Component(s):

"Lecture"

THEO 321 Reform and Heresy in the Middle Ages (3 credits)

Description:

This course examines movements of reform in the monastic and ecclesiastical life of the Middle Ages and the simultaneous rise of religious dissents or heresies. This course focuses on the most significant religious orders founded between the 10th and the 13th centuries, such as the Cluniacs, the Cistercians, the Franciscans and the Dominicans, as well as on the most important dissents of the Middle Ages, such as the so-called Heresies of the Year Thousand, the Waldenses, the Cathars,

the Lollards, and the Hussites. This course also examines the lives and writings of some of the most famous female medieval mystics, such as Hildegard of Bingen, Hadewijch of Antwerp, Mechtild of Magdeburg, Marguerite Porete and Julian of Norwich.

Component(s):

"Lecture"

Notes:

- Students who have taken this course under a THEO 298 number may not take this course for credit.

THEO 322 History of Christianity: Reformation and Modernity (3 credits)

Description:

This course examines the 16th-century Protestant Reformation and its impact on the modern world, in the areas of religion, politics, economics, science and the arts. The first part of the course focuses on the Reformation theologians and their revolutionary ideas. The second part traces the influence that the Reformation has had on the world up to the present.

Component(s):

"Lecture"

THEO 324 Roman Catholicism (3 credits)

Description:

This course offers an introduction to the contemporary Roman Catholic experience, and includes a treatment of the historical origins of Catholicism, its worship and liturgy, its spirituality, and its role in society and culture.

Component(s):

"Lecture"

THEO 331 The Christian Understanding of God (3 credits)

Description:

This course examines the classical presentation of Christian belief in God as a Trinity of divine persons through its biblical origins and historical development. It also examines modern theological reflection on this classical view, including perspectives from non-Western cultural contexts.

Component(s):

"Lecture"

THEO 333 Jesus Christ in History and Faith (3 credits)

Description:

This course studies the biblical and later traditions about the person, nature, and work of Jesus Christ, from historical and doctrinal perspectives. The course examines the central role of Jesus Christ in ancient, medieval, and modern theology and culture. Texts studied include the Bible, theological texts from a variety of historical periods as well as other literary and artistic representations of Christ.

Component(s):

"Lecture"

THEO 337 The Christian Sacraments (3 credits)

Description:

This course examines the history, symbols, and images of ritual and liturgical communication in Christianity, especially in baptism and eucharist. These "mysteries," as the Christian sacraments were originally called, are studied in the context of a Christian life.

Component(s):

"Lecture"

THEO 343 Religion and Politics (3 credits)

(also listed as POLI 389)

Description:

Focusing on the relationship between church, state, and democracy, this course examines the intersection of religion and politics by studying the connections between moral values and political beliefs in different settings around the world. It explores how religious beliefs have shaped politics and have impacted democratization, education, and citizenship. At the same time, it reflects on the way in which politics has affected religious life and religious organizations.

Component(s):

"Lecture"

Notes:

- Students who have received credit for POLI 389 or for this topic under a POLI 398 number may not take this course for credit.

THEO 347 Spirituality of Aging (3 credits)

Description:

This course deals with the spirituality of aging through a number of important themes: mid-life crises, intergenerational conflicts, sexuality, theology of the body, relationships, death and dying.

Component(s):

"Lecture"

THEO 351 Applied Ethical Issues (3 credits)

Description:

This course examines various ethical theories and their application to concrete issues challenging contemporary society. These may include issues in health care, the economy, and scientific and technological advances.

Component(s):

"Lecture"

THEO 353 Theology and Bioethics (3 credits)

Description:

This course presents major frameworks for ethical deliberation and the basic ethical concepts operative in bioethics. Providing students with an opportunity to identify, articulate, and analyze ethical issues arising in the bioethical context, it explores theological reflections on concrete bioethics issues, including beginning and end of life issues, ecosystems and health, in particular determinants of Indigenous health and genetic technology.

Component(s):

"Lecture"

THEO 393 Philosophical Foundations of Christian Theology (3 credits)

Prerequisite/Corequisite:

Students must complete 24 credits prior to enrolling.

Description:

This survey course investigates the philosophical outlook and language of theological doctrines and Christian thinkers in various historical periods. Questions of truth, meaning, and goodness are examined in light of Christian interpretations of Plato and Aristotle. Contemporary topics at the intersection of philosophy and theology, such as human sexuality, political philosophy, and scientific theories, are also treated.

Notes:

- Students who have received credit for THEO 293 may not take this course for credit.

THEO 398 Selected Topics in Theological Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- All 400-level Theology courses have as their prerequisite an appropriate 300-level Theology course, or its equivalent, with permission of the Department.

THEO 399 Selected Topics in Theological Studies (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Notes:

- All 400-level Theology courses have as their prerequisite an appropriate 300-level Theology course, or its equivalent, with permission of the Department.

THEO 402 Pastoral Care (3 credits)

Prerequisite/Corequisite:

All 400-level Theology courses have as their prerequisite an appropriate 300-level Theology course, or its equivalent, with permission of the Department.

Description:

This course introduces students to the theology and practice of pastoral caregiving. It explores how biblical foundations and social context shape this ministry. Students are invited to learn from practitioners about the particular skills, ethical virtues, and spiritual sensitivity required for the exercise of pastoral care.

Component(s):

"Lecture"

THEO 403 Ignatian Spirituality: Theory and Method (3 credits)

Description:

This course provides students with theoretical and methodological grounding in Ignatian spirituality specifically and in the academic study of Christian spirituality in general. The course introduces students to the Spiritual Exercises of St. Ignatius, situating the Exercises both in their historical context and within interpretations in contemporary culture. The goal of the course is to prepare students to engage in the role of directing spiritual exercises, to facilitate students' understanding of the dynamics of the exercises and to explore the underlying anthropology and theology of the Ignatian exercises.

Component(s):

"Lecture"

THEO 404 Practicum in Pastoral Care (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: THEO 402. Permission of the Department is required.

Description:

This course complements THEO 402 as the internship and field exploration of a particular pastoral ministry. It will be supervised by experts or experienced individuals in the various fields of ministry, e.g. eldercare, bereavement, hospital, school, youth ministries, and others.

Component(s):

"Practicum/Internship/Work Term"

THEO 406 The History of Biblical Research (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: THEO 202 or THEO 203.

Description:

In this advanced biblical studies course, students explore the history of biblical interpretation from Late Antiquity to the variety of exegetical approaches which emerged since the Enlightenment.

Component(s):

"Lecture"

THEO 408 Classical Theological Texts: Reading and Interpretation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: THEO 201; THEO 331 or THEO 333 or THEO 337. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides students with the interpretive skills that permit critical responses to texts. Classical texts are analyzed in terms of the elements of context, structure, form, and content. The course covers classical theological writings from the fourth to the 20th century.

Component(s):

"Lecture"

THEO 410 Honours Tutorial (3 credits)

Prerequisite/Corequisite:

Enrolment in the honours program is required. Permission of the Department is required.

Description:

This course provides students with background studies in central theological issues and writers. Students prepare an annotated bibliography as part of the requirements of the course.

THEO 460 Honours Essay (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: THEO 410. Enrolment in the honours program is required. Permission of the Department is required.

Description:

Each student works with an individual faculty member in a particular area of theological studies to produce a research paper of about 40 pages in length.

Component(s):

"Tutorial"

THEO 492 Biblical Hebrew I (3 credits)

Description:

No prior knowledge of the Hebrew language is necessary. With a view to reading and comprehending simple biblical narratives in Hebrew, students learn the rudiments of Biblical Hebrew from the alphabet, vocabulary, and the basic grammar.

Component(s):

"Lecture"

THEO 493 Biblical Hebrew II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: THEO 492.

Description:

This course continues the objectives of Biblical Hebrew I. With a view to reading and comprehending simple biblical narratives in Hebrew, students learn problematic verb forms, grammatical constructions, and text linguistics. By the end of this course students are able to read, analyze, and translate biblical narratives.

THEO 495 Biblical Greek I (3 credits)

Description:

This is an introductory course to Greek Koine. No prior knowledge of the Greek language is necessary. It provides the student with a basic understanding of New Testament Greek.

Component(s):

"Lecture"

THEO 496 Biblical Greek II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: THEO 495.

Description:

This course builds on the material presented in Biblical Greek I. By the end of the course, students will be able to analyze and translate biblical texts.

Component(s):

"Lecture"

THEO 497 Selected Topics in Theological Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

THEO 498 Selected Topics in Theological Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

THEO 499 Advanced Topics in Theological Studies (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.515 Co-operative Education in the Faculty of Arts and Science

Co-operative Education in Arts and Science

The Institute for Co-operative Education offers a number of work-integrated learning opportunities to students in the Faculty of Arts and Science. Work-integrated learning is a model of experiential learning that bridges the academic program and the world of work.

It provides students with the opportunity to combine study with paid work terms in their chosen fields.

Co-op options are available in the following departments:

Department of Biology
Department of Chemistry and Biochemistry
Department of Economics
Département d'études françaises
Department of Journalism
Department of Mathematics and Statistics
Department of Physics
Department of Political Science
Department of Sociology and Anthropology

(Please refer to Section 24 Institute for Co-operative Education of this Calendar and the appropriate units for additional information.)

Section 31.520 Liberal Arts College

Liberal Arts College

Liberal Arts College Programs
- Liberal Arts College Program Notes
- BA Honours in Liberal Arts
- BA Major in Liberal Arts
- Minor in Liberal Arts

Liberal Arts College Courses

Liberal Arts College

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/liberal-arts-college.html

Objectives

The Liberal Arts College, a small community of dedicated faculty and students, provides a unique liberal arts emphasis within the Faculty of Arts and Science. The multidisciplinary curriculum traces, in a chronological arc, the changing nature of society, culture, science, and the arts. Instruction takes place in small-class seminars in which primary texts, including works of literature, philosophy, art history, history of science, and music, are read and discussed.

The multidisciplinary curriculum of the Liberal Arts College provides a strong foundation in the humanities through the appreciation and critical analysis of texts in their historical, literary, and cultural contexts, and through a small-class environment that encourages participation, dialogue and debate and builds skills of argument and expression.The aim of the College is to help its students become well-rounded, open-minded, informed, creative, intellectually versatile, and highly articulate critical thinkers, ready to meet the challenges of the diverse and swiftly changing world with passion and insight.

The College offers excellent preparation for a broad range of careers in the public and private sector or for graduate or law school.

Facilities

The Liberal Arts College is housed on Concordia University's downtown Sir George Williams Campus, within its own building with seminar rooms, its own library, a student lounge, study areas, and the office of the Liberal Arts Society. The College runs an extracurricular program of visiting speakers, cultural events, and regular social gatherings, where the exchange of ideas and views generated in courses and seminars continues on a more informal basis.

Liberal Arts College Program Notes

- Students admitted to the University and seeking to enter the College must have a "B" average from Cegep or its equivalent. Prospective students should apply through the Office of the Registrar; they should also contact the College to arrange for an interview. Students are admitted to the College on the basis of an interview and an examination of their student record; they must also demonstrate proficiency in English composition.

BA Honours in Liberal Arts

Program Requirements

Honours in Liberal Arts (60 credits)

42 credits:

- LBCL 289 Foundations: Greek, Roman and Biblical Thought (3.00)
- LBCL 290 Foundations: Medieval and Early Modern Thought (3.00)
- LBCL 292 Modes of Expression and Interpretation I (6.00)
- LBCL 295 History of Art (6.00)
- LBCL 391 Foundations: Enlightenment and 19th Century (6.00)
- LBCL 393 Modes of Expression and Interpretation II (6.00)
- LBCL 490 The 20th Century: Forms, Themes, Critiques (6.00)
- LBCL 496 Liberal Arts College Honours Essay Seminar (6.00)

3 credits chosen from:

- LBCL 390 History of Music: Ancient to Classical (3.00)
- LBCL 392 History of Music: Classical to Contemporary (3.00)

3 credits chosen from:

- LBCL 394 The History of Science: Antiquity to the Renaissance (3.00)
- LBCL 395 The History of Science: Early Modern to Contemporary (3.00)

6 credits chosen from:

- LBCL 494 Liberal Arts College Special Studies: Antiquity to Renaissance/Reformation (3.00)
- LBCL 495 Liberal Arts College Special Studies: 17th Century to the Present (3.00)
- LBCL 498 Liberal Arts College Advanced Topics (3.00)

6 credits chosen in consultation with the honours advisor

Notes

- Students interested in entering an honours program should consult their departmental honours advisor. Normally, students may apply for this change following the completion of at least 24 Concordia University credits. These credits should include program-related courses.
- Honours candidates must maintain a GPA of 3.30 (B+) in their College courses, with no grade lower than a "C."

- Students must meet the University regulations concerning the honours degree.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Liberal Arts

Program Requirements

Major in Liberal Arts (42 credits)

36 credits:

- LBCL 289 Foundations: Greek, Roman and Biblical Thought (3.00)
- LBCL 290 Foundations: Medieval and Early Modern Thought (3.00)
- LBCL 292 Modes of Expression and Interpretation I (6.00)
- LBCL 295 History of Art (6.00)
- LBCL 391 Foundations: Enlightenment and 19th Century (6.00)
- LBCL 393 Modes of Expression and Interpretation II (6.00)
- LBCL 490 The 20th Century: Forms, Themes, Critiques (6.00)

3 credits chosen from:

- LBCL 390 History of Music: Ancient to Classical (3.00)
- LBCL 392 History of Music: Classical to Contemporary (3.00)

3 credits chosen from:

- LBCL 394 The History of Science: Antiquity to the Renaissance (3.00)
- LBCL 395 The History of Science: Early Modern to Contemporary (3.00)

Notes

- Students in a major or specialization program must maintain a "C" average in their College courses, with no grade lower than a "D."
- Students are responsible for satisfying their particular degree requirements.

Minor in Liberal Arts

Program Requirements

Minor in Liberal Arts (30 credits)

30 credits:

- LBCL 289 Foundations: Greek, Roman and Biblical Thought (3.00)
- LBCL 290 Foundations: Medieval and Early Modern Thought (3.00)
- LBCL 292 Modes of Expression and Interpretation I (6.00)
- LBCL 295 History of Art (6.00)
- LBCL 391 Foundations: Enlightenment and 19th Century (6.00)
- LBCL 393 Modes of Expression and Interpretation II (6.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

Liberal Arts College Courses

LBCL 289 Foundations: Greek, Roman and Biblical Thought (3 credits)

Description:

In this multidisciplinary seminar, key philosophical and historical texts from Greek, Roman, and Hebrew antiquity are read and discussed. Major political and philosophic questions concerning the best life, the best government, the nature of knowledge, the nature of God, and the basis of morality are examined and debated. The approach to the assigned texts combines careful historical contextualization with attention to contemporary issues and perspectives. The course also seeks to develop writing, reading, and discussion skills. Readings may include Plato's *Republic*, The *Bible*, and Marcus Aurelius' *Meditations*.

Component(s):

"Lecture"; "Seminar"

Notes:

- Students who have received credit for LBCL 291 or for this topic under a LBCL 298 number may not take this course for credit.

LBCL 290 Foundations: Medieval and Early Modern Thought (3 credits)

Description:

In this multidisciplinary seminar, key philosophic and historical texts from the medieval and early modern periods are read and discussed. Major political and philosophic questions concerning the best life, the best government, the nature of knowledge, the nature of God, and the basis of morality are examined and debated. The approach to the assigned texts combines careful historical contextualization with attention to contemporary issues and perspectives. The course also seeks to develop writing, reading, and discussion skills. Readings may include Augustine's *City of God*, Teresa of Avila's *Autobiography*, and Machiavelli's *The Prince.*

Component(s):

"Lecture"; "Seminar"

Notes:

- Students who have received credit for LBCL 291 or for this topic under a LBCL 298 number may not take this course for credit.

LBCL 292 Modes of Expression and Interpretation I (6 credits)

Prerequisite/Corequisite:

Registration in the Liberal Arts College, or permission of the College is required.

Description:

In this multidisciplinary seminar primary texts from antiquity to the mid-17th century that continue to shape Western culture are read and discussed in a chronological sequence. Questions are asked about justice and injustice, evil and its punishment, social responsibility, the nature of the gods, the meaning of suffering, the source of happiness, social

constructions of gender and sexuality and attitudes towards nature and culture. Historical context as well as contemporary perspectives are brought to epics, poetry, essays, plays and philosophical texts that still influence our lives today. The class develops confidence in speaking and improves writing skills through the building of original, convincing and informed arguments to support interpretation. Readings may include Homer's Odyssey, Sappho's poetry, Dante's Divine Comedy, Cervantes' Don Quixote and Milton's Paradise Lost.

Component(s):

"Seminar"

LBCL 295 History of Art (6 credits)

Prerequisite/Corequisite:

Registration in the Liberal Arts College, or permission of the College is required.

Description:

This course familiarizes students with the historical development of the visual arts of the Western tradition, from the Archaic Greek to the Postmodern periods, both in terms of the broad currents of that tradition and in terms of specific works. Emphasis is placed on reading artworks as artifacts that provide important insights into the cultures that produced them. The course introduces some of the literature in the field of Art History and criticism, and explores some of the most influential theories and methodologies that have shaped the discipline. It also develops an understanding of the formal characteristics and language of art, and equips students with the methodological tools necessary to analyze, interpret, enjoy. and write about architecture, painting, and sculpture.

Component(s):

"Seminar"

LBCL 298 Liberal Arts College Selected Topics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

LBCL 299 Liberal Arts College Selected Topics (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

LBCL 390 History of Music: Ancient to Classical (3 credits)

Description:

This course introduces developments in the history of European music from antiquity to the 18th century. Course content includes musical structure, period styles, and selected works by major composers, setting these within their historical contexts.

Component(s):

"Seminar"

Notes:

- Students who have received credit for LBCL 396 may not take this course for credit.

LBCL 391 Foundations: Enlightenment and 19th Century (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: LBCL 289, LBCL 290, LBCL 292, LBCL 295. If prerequisites are not satisfied, permission of the College is required.

Description:

In this multidisciplinary seminar, key philosophic and historical texts from the 17th-century and European Enlightenment to the beginning of the 20th-century are read and discussed. Major political and philosophic questions concerning the origin of rights, the basis of knowledge, the meaning of history, and the nature of freedom are examined and debated. This seminar introduces both historical contexts and contemporary issues and perspectives to our readings, and seeks to develop writing, reading, and participation skills. Readings may include Rousseau's Social Contract, Voltaire's Candide, Wollstonecraft's Vindication of the Rights of Woman, Mill's On Liberty, and Nietzsche's Genealogy of Morals.

Component(s):

"Conference"

LBCL 392 History of Music: Classical to Contemporary (3 credits)

Description:

This course introduces developments in the history of European music from the 18th century to the present day. Course content includes musical structure, period styles, and selected works by major composers, setting these within their historical contexts.

Component(s):

"Seminar"

Notes:

- Students who have received credit for LBCL 396 may not take this course for credit.

LBCL 393 Modes of Expression and Interpretation II (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: LBCL 289, LBCL 290, LBCL 292, LBCL 295. If prerequisites are not satisfied, permission of the College is required.

Description:

In this multidisciplinary seminar primary texts from the Enlightenment to the beginning of the 20th century are read and discussed in a chronological sequence. Questions are asked about the value and limitations of reason, the influence of Romanticism, the consequences of technology, the effects of colonialism, different conceptions of beauty, transgression and

rebellion, monstrosity, the challenges of modernity, the pressure of social conformity, the role of the artist within society, urbanization and globalization, values and nihilism, and other challenging topics. Historical context as well as contemporary perspectives are brought to novels, poetry, plays and philosophical texts. The class develops confidence in speaking and improve writing skills through the building of original, convincing and informed arguments to support interpretation. Readings may include Kant's Critique of Judgment, Mary Shelley's Frankenstein, Goethe's Faust, Austen's Pride and Prejudice, Kierkegaard's Fear and Trembling, Dickinson's poetry, Melville's Moby Dick, Nietzsche's Thus Spoke Zarathustra, and Frederick Douglass's Narrative of the Life of Frederick Douglass.

Component(s):

"Seminar"

LBCL 394 The History of Science: Antiquity to the Renaissance (3 credits)

Description:

This course explores the history of science from antiquity to the Renaissance. Primary sources may include Aristotle, Physics, Plato, Timaeus, and Copernicus, On the Revolution of the Heavenly Spheres.

Component(s):

"Lecture"; "Seminar"

Notes:

- Students who have received credit for LBCL 397 may not take this course for credit.

LBCL 395 The History of Science: Early Modern to Contemporary (3 credits)

Description:

This course emphasizes the nature of modern science from the scientific revolution to the present day. Primary sources may include Darwin, Origin of the Species, Galileo, Dialogue Concerning the Two Chief World Systems, Bacon, Advancement of Learning, and Einstein, Relativity.

Component(s):

"Seminar"

Notes:

- Students who have received credit for LBCL 397 may not take this course for credit.

LBCL 398 Liberal Arts College Selected Topics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

LBCL 399 Liberal Arts College Selected Topics (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

LBCL 490 The 20th Century: Forms, Themes, Critiques (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: LBCL 391; LBCL 393. If prerequisites are not satisfied, permission of the College is required.

Description:

This course emphasizes key texts and issues in contemporary society and culture, from modernism, liberalism, and stories, poetry, psychoanalysis, non-fiction, and contemporary theory, and examines themes such as the disruptions and challenges of modernist and postmodern art, the rise of fascism and the responses of testimonial literature, shifting understandings of the self and the unconscious, technological change and society, and critiques of contemporary civilization through authors that may include Freud, Primo Levi, Samuel Beckett, Simone de Beauvoir, Franz Fanon, Ralph Ellison, and Rachel Carson.

Component(s):

"Seminar"

LBCL 491 Integrative Seminar (3 credits)

Prerequisite/Corequisite:

Permission of the College is required.

Component(s):

"Seminar"

Notes:

- Students who have received credit for LBCL 490 may register for LBCL 491 provided the subject matter is different.

LBCL 494 Liberal Arts College Special Studies: Antiquity to Renaissance/Reformation (3 credits)

Prerequisite/Corequisite:

Permission of the College is required.

Description:

This course addresses a selected field within the chronological period above, emphasizing focused study of specific primary texts, as well as significant works of interpretation as appropriate to the selected field. Themes normally vary on a year-to-year alternating basis, so as to reflect the broad orientations (Structures and Dynamics of Western Civilization, Modes of Expression and Interpretation) which inform the core curriculum.

Component(s):

"Seminar"

LBCL 495 Liberal Arts College Special Studies: 17th Century to the Present (3 credits)

Prerequisite/Corequisite:

Permission of the College is required.

Description:

This course addresses a selected field within the chronological period above, emphasizing focused study of specific primary texts, as well as significant works of interpretation as appropriate to the selected field. Themes normally vary on a year-to-year alternating basis, so as to reflect the broad orientations (Structures and Dynamics of Western Civilization, Modes of Expression and Interpretation) which inform the core curriculum.

Component(s):

"Seminar"

LBCL 496 Liberal Arts College Honours Essay Seminar (6 credits)

Prerequisite/Corequisite:

This course is open only to students at the College who have completed Stage II courses at the required academic level of performance.

Description:

The student works with an individual faculty member in a chosen and approved area of the core curriculum, and must produce a sustained piece of written work approximately 40 pages in length. Students must also participate in an honours seminar in connection with their research and writing.

Component(s):

"Seminar"

LBCL 498 Liberal Arts College Advanced Topics (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

LBCL 499 Liberal Arts College Advanced Topics (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.525 Loyola College for Diversity and Sustainability

Loyola College for Diversity and Sustainability

Loyola College for Diversity and Sustainability Programs
- Minor in Diversity and the Contemporary World
- Minor in Sustainability Studies
- Microprogram in Sustainability Principles
- Sustainability Course Groups

Loyola College for Diversity and Sustainability Courses

Loyola College for Diversity and Sustainability

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/loyola-college-diversity-sustainability.html

Objectives

Loyola College for Diversity and Sustainability is designed as a secular college that addresses the academic needs of selected undergraduate students who seek to balance discipline-based instruction with interdisciplinary and cross-disciplinary communication in the arts and sciences. The educational philosophy of the College incorporates several objectives: to integrate international and global perspectives into higher education; to foster understanding of how the individual and society can operate more effectively in a global context of increased intercultural interaction; to develop a literacy of sustainability; to provide the practical tools needed to tackle the major issues facing humanity; to balance discipline-based instruction with interdisciplinary inquiry and cross-disciplinary communication; and to promote responsible citizenship and leadership in the 21st century.

Admission Requirements for Loyola College for Diversity and Sustainability

Students may apply simultaneously to Concordia University and Loyola College for Diversity and Sustainability by selecting "Loyola College for Diversity and Sustainability" from the drop-down menu on the Program(s) tab of the Online Application. Further information about the College can be obtained by telephone, email, or by visiting the College's offices.

All students registered in the Minor in Diversity and the Contemporary World and the Minor in Sustainability Studies are welcome to become members of the College if they successfully complete three LOYC courses. All other undergraduate students may also join the College if they successfully complete three LOYC courses.

Performance Requirement

Specific performance requirements are outlined for the Minor in Diversity and the Contemporary World and the Minor in Sustainability Studies.

Facilities

Loyola College for Diversity and Sustainability is located on Concordia University's Loyola Campus. The College has student study and lounge areas, a small library, and a conference room, to which all College members have access. The facilities are intended to complement Loyola College for Diversity and Sustainability's role as a community where students have the opportunity to pursue both their academic and extracurricular interests in a supportive and stimulating environment.

Minor in Diversity and the Contemporary World

Program Requirements

Minor in Diversity and the Contemporary World (24 credits)

15 credits chosen from:

- LOYC 210 The 20th Century (3.00)
- LOYC 211 Black Montreal (3.00)
- LOYC 220 The Contemporary World (3.00)
- LOYC 230 Globalization and Diversity (3.00)
- LOYC 298 Selected Topics in the Loyola College for Diversity and Sustainability (3.00)
- LOYC 310 Science and the Contemporary World (3.00)
- LOYC 320 Biodiversity on Earth (3.00)
- LOYC 330 Self, Culture, and Development (3.00)
- LOYC 340 Culture and Communication (3.00)
- LOYC 398 Selected Topics in the Loyola College for Diversity and Sustainability (3.00)
- LOYC 420 Integrative Project (3.00)
- LOYC 421 Directed and Independent Study (3.00)
- LOYC 498 Selected Topics in the Loyola College for Diversity and Sustainability (3.00)

6 credits chosen in consultation with a Loyola College for Diversity and Sustainability advisor

3 credits chosen from:

- LOYC 420 Integrative Project (3.00)
- LOYC 421 Directed and Independent Study (3.00)

Notes

- The minor is designed for students to combine with an honours, specialization, or major in another discipline.
- Students must obtain a minimum grade of "B" in all courses counting towards their minor in order to continue in the College.
- Students are responsible for satisfying their particular degree requirements.

Minor in Sustainability Studies

Program Requirements

Minor in Sustainability Studies (27 credits)

3 credits chosen from:

- BIOL 205 Introduction to Sustainability (3.00)
- LOYC 205 Introduction to Sustainability (3.00)
- LOYC 260 Introduction to Environmental Sustainability: Cosmologies, Principles, and Issues (3.00)

Note: The following courses are cross-listed:

BIOL 205 and LOYC 205

3 credits:

- LOYC 320 Biodiversity on Earth (3.00)

9 credits chosen from:

- ANTH 277 Contemporary Issues in Economy, Society, and Biodiversity (3.00)
- BIOL 226 Biodiversity and Ecology (3.00)
- CHEM 209 Discovering Biotechnology (3.00)
- EXCI 233 Current Issues in Personal and Community Health (3.00)
- FPST 201 Introduction to First Peoples Studies (3.00)
- FPST 203 First Peoples of Canada (3.00)
- GEOG 203 Canadian Environmental Issues (3.00)
- GEOG 204 Global Environmental Issues (3.00)
- LOYC 220 The Contemporary World (3.00)
- LOYC 240 Global Environmental Issues and Ecological Justice (3.00)
- LOYC 298 Selected Topics in the Loyola College for Diversity and Sustainability (3.00)
- PHIL 236 Environmental Ethics (3.00)
- PHYS 273 Energy and Environment (3.00)
- SCPA 215 Economics for Public Policy and Community Development (3.00)
- SOCI 277 Contemporary Issues in Economy, Society, and Biodiversity (3.00)

Note: The following courses are cross-listed:

ANTH 277 and SOCI 277

12 credits chosen from:

- ANTH 319 Socio-Environmental Issues (3.00)
- ANTH 384 Food and Sustainability (3.00)
- ANTH 450 Social Economy and Sustainable Futures (3.00)
- BIOL 353 Communities and Ecosystems (3.00)
- COMS 372 Theories of Public Discourse (3.00)
- ECON 391 Economics of the Environment (3.00)
- FPST 341 Globalization and Indigenous Peoples (3.00)
- GEOG 321 A World of Food (3.00)
- HIST 395 Global Environmental History (3.00)
- LOYC 310 Science and the Contemporary World (3.00)
- LOYC 350 Internship in Sustainability (3.00)
- LOYC 398 Selected Topics in the Loyola College for Diversity and Sustainability (3.00)
- LOYC 420 Integrative Project (3.00)
- LOYC 421 Directed and Independent Study (3.00)
- LOYC 498 Selected Topics in the Loyola College for Diversity and Sustainability (3.00)
- MANA 369 Business and Sustainability (3.00)
- MANA 374 Sustainable Management (3.00)
- POLI 394 Globalization and Sustainable Development (3.00)
- SOCI 319 Socio-Environmental Issues (3.00)
- SOCI 384 Food and Sustainability (3.00)
- SOCI 450 Social Economy and Sustainable Futures (3.00)

Note: The following courses are cross-listed:

ANTH 319 and SOCI 319

ANTH 384 and SOCI 384

ANTH 450 and SOCI 450

Notes

- In keeping with the interdisciplinary goals of the minor, students cannot take courses in the same department as their major, specialization, or honours program to fulfill their program requirements, with the exception of BIOL 205/ LOYC 205.
- Students may only apply credits from Special Topics courses LOYC 298, LOYC 398, and LOYC 498 where the subject matter is of a sustainability nature.
- Students are responsible for ensuring they have the necessary prerequisites for courses at the 300 and 400 level.
- The minor is designed for students to combine with an honours, specialization, or major in another discipline.
- Students must have a cumulative GPA of at least 3.00 in courses taken toward the minor in order to be awarded the minor upon graduation.
- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.
- Students are responsible for satisfying their particular degree requirements.

Microprogram in Sustainability Principles

Program Requirements

Microprogram in Sustainability Principles (15 credits)

3 credits chosen from:

- LOYC 205 Introduction to Sustainability (3.00)
- LOYC 260 Introduction to Environmental Sustainability: Cosmologies, Principles, and Issues (3.00)

12 credits from the following Sustainability Course Groups:

Environmental Sustainability
Sustainability Policy
Sustainability Values

Note: Students must take a minimum of three credits and a maximum of six credits from each Sustainability Course Group.

Notes

- Students are responsible for satisfying their particular program requirements.

Sustainability Course Groups

Environmental Sustainability

- BIOL 203 Fundamental Nutrition (3.00)
- LOYC 320 Biodiversity on Earth (3.00)
- PHYS 273 Energy and Environment (3.00)

Note: BIOL 203 and PHYS 273 are offered online.

Sustainability Policy

- LOYC 230 Globalization and Diversity (3.00)
- LOYC 240 Global Environmental Issues and Ecological Justice (3.00)
- LOYC 380 Sustainable Development (3.00)

Note: LOYC 240 is offered online.

Sustainability Values

- LOYC 397 Perspectives on Animals and Sustainability (3.00)
- PHIL 210 Critical Thinking (3.00)
- PHIL 220 Introduction to the Philosophy of Science (3.00)
- PHIL 236 Environmental Ethics (3.00)

Note: PHIL 210 is offered online.

Loyola College for Diversity and Sustainability Courses

LOYC 201 The Idea of Modernity (3 credits)

Description:

The fundamental ideas and assumption of the modern Western world were formed in the 17th-century European Enlightenment. This course begins with an historical overview of the Enlightenment, followed by an interdisciplinary investigation of the idea of modernity. It focuses on the central modern concepts of a person, society, nature, and good and evil, and looks at some challenges to the idea of modernity. Finally, it explores current pressures that have led to the contemporary form of thought known as postmodernism.

Component(s):

"Lecture"

LOYC 202 What is the Environment? (3 credits)

Description:

The purpose of this course is to explore the broad set of interdependent phenomena that comprise the environments in which people live. These are: a) the natural environment of rocks, air, water, plants, and animals; b) the built environment including characteristics of cities, workplaces, and homes; and c) the cultural environment including the beliefs, attitudes, and institutions that affect how people perceive and behave in the environment.

Component(s):

"Lecture"

LOYC 205 Introduction to Sustainability (3 credits)

(also listed as BIOL 205)

Description:

This course begins with an introduction to the science of ecology and to the concept of sustainability as an ecological principle. The concept of sustainability is then broadened to include humans, as students are introduced to ethics, economics, and resource management from an eco-centric point of view. Students are encouraged to think critically about current environmental problems and to take action on an individual project.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students registered in a Biology program may not take this course for program credit.
- Students who have received credit for BIOL 205, BIOL 208 or for this topic under a BIOL 298 number may not take this course for credit.

LOYC 210 The 20th Century (3 credits)

Description:

This course provides select coverage of aspects of the historical forces and events that shaped the 20th century. The historical background of issues such as wars and peace, colonialism and postcolonialism, economics and the environment, and questions about ethnic and national diversity and cultural perception are explored. The course is intended to develop critical thinking together with basic bibliographic and writing skills.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 283 or for this topic under a HIST 298 number may not take this course for credit.

LOYC 211 Black Montreal (3 credits)

(also listed as BLST 211)

Description:

This course introduces students to the major themes, issues, and debates in Montreal's Black history from its origins until today. Students gain an understanding of how Black communities lived, worked, socialized, and defined themselves in Montreal.

Component(s):

"Lecture"

Notes:

- Students who have received credit for BLST 211 or for this topic under a LOYC 298 number may not take this course for credit.

LOYC 220 The Contemporary World (3 credits)

Description:

From a variety of perspectives, including historical, environmental, economic, and cultural, this course examines major issues facing the world today. These issues may include international trade and the economy, the regulation of garbage and pollution, the decline in cultural variability, the spread and control of disease, and the effects of mass communication. This course is intended to develop an appreciation of a global view of the challenges which the world is likely to face in the next few decades.

Component(s):

"Lecture"

LOYC 230 Globalization and Diversity (3 credits)

Description:

This course explores the main differences between the world's major cultures, religious beliefs, and philosophies, and addresses the tensions between establishing universal values and maintaining cultural diversity in an age of accelerating globalization. There is also an emphasis on the conception of different levels of social complexity, principally the role of the individual, the interpersonal, and the group within a society. This course is intended to develop team research and presentation skills, and the ability to communicate and work effectively within a small group setting.

Component(s):

"Lecture"

LOYC 240 Global Environmental Issues and Ecological Justice (3 credits)

(also listed as POLI 208)

Description:

This course introduces students to collective action problems faced by governments, international organizations, corporations, advocacy groups, and scientists. Topics may include climate change, biodiversity conservation, hazardous waste disposal, water and food security.

Component(s):

"Online"

Notes:

- Students who have received credit for POLI 208 or POLI 394, or for this topic under a POLI 298 number, may not take this course for credit.

LOYC 260 Introduction to Environmental Sustainability: Cosmologies, Principles, and Issues (3 credits)

Description:

The aim of this introductory course is to have students critically examine and understand Indigenous and non-Indigenous worldviews and approaches to what sustainability means, including key principles and issues. Students are offered pathways to explore sustainability and environmental justice topics that may include Indigenous approaches to food sovereignty and food security; land-based education systems; ongoing impacts of colonial-corporate policy and practices on climate change; pollution; biodiversity loss; degrowth; systems thinking; climate action; and assessment and practice of sustainability and planetary well-being from Indigenous and diverse disciplinary perspectives.

Component(s):

"Online"

LOYC 298 Selected Topics in the Loyola College for Diversity and Sustainability (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

LOYC 310 Science and the Contemporary World (3 credits)

Description:

This course explores the basic issues of the philosophy of science by examining the nature of science as an activity and a way of understanding the world. Cultural variations in the philosophy of science are discussed as well as contemporary disputes involving the interpretation of science: Darwinism; the "Science Wars"; science and religion; and feminist critiques of science. This course is intended to develop critical thinking and analysis, and deductive and inductive reasoning.

Component(s):

"Lecture"

LOYC 320 Biodiversity on Earth (3 credits)

Description:

The current state of biodiversity around the world and the forces that affect this diversity are the main focus of this course. It addresses the origins of this diversity, the advantages of variability in the environment for human life, and the contemporary and future challenges to this diversity. This course is intended to emphasize holistic thinking and system analysis, as well as integrated problem-solving and collaborative learning.

Component(s):

"Lecture"

LOYC 330 Self, Culture, and Development (3 credits)

Description:

This course examines, from a psychological perspective, how the concept of self varies across cultures. Whereas some cultures embrace the concept of the individual, other cultures emphasize the communal nature of social and personal existence. This theme is explored from several perspectives including theory about development, the treatment of "self" in literature, cultural variations in the concept of human rights, and the link between self and society. This course is intended to demonstrate the interface between the medical and social sciences and the analysis of change.

Component(s):

"Lecture"

LOYC 340 Culture and Communication (3 credits)

Description:

This course is an anthropological approach to variations in cultural experience as they relate to communication. Students explore modes of expression and communication, including literature and film, with a view to examining questions of interpretation, aesthetics, and ethical judgment. Personal expression and communication are also discussed. This course is intended to develop an awareness of the role of imagination and creativity in expression and interpretation, and sensitivity to the role of cultural and other differences in processes of communication.

Component(s):

"Lecture"

Notes:

- Students who have received credit for LOYC 410 may not take this course for credit.

LOYC 350 Internship in Sustainability (3 credits)

Description:

This course offers students hands-on experience working on a sustainability-related project for approximately 120 hours. This internship course is designed to give students practical experience to complement other courses in the Minor in Sustainability Studies.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for this topic under a LOYC 398 number may not take this course for credit.

LOYC 380 Sustainable Development (3 credits)

Description:

This course introduces and examines progress towards sustainable development from an interdisciplinary perspective in Canada and across the globe. It focuses on the multitude of factors included in sustainable development, the interrelationships between these factors, and humans' effectiveness at achieving sustainable development from different disciplinary perspectives. Emphasis is placed on current issues in sustainability and sustainable development, and on solutions to complex sustainability problems in a social context.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a LOYC 398 number may not take this course for credit.

LOYC 397 Perspectives on Animals and Sustainability (3 credits)

(also listed as RELI 3970)

Description:

This course investigates how human-animal relationships and human interactions with the environment have been perceived and justified in various cultures and religions and how they are being debated and re-imagined today. Students engage with histories, texts, and ethical positions of a variety of groups, movements, and thinkers regarding the relationships between animals and humans and their material environments. Students explore theoretical and philosophical perspectives about why humans have related to animals and the environment in the way they do, and how these positions impact, for example, practical choices about diet, ethics of scientific research, understandings of humans' place in the world, and increasingly, ecological issues of habitat preservation, environmental degradation, and collective futures.

Component(s):

"Lecture"

Notes:

- Students who have received credit for RELI 3970, or for this topic under a LOYC 398 or RELI 398 number, may not take this course for credit.

LOYC 398 Selected Topics in the Loyola College for Diversity and Sustainability (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

LOYC 420 Integrative Project (3 credits)

Prerequisite/Corequisite:

Students must complete 12 credits of LOYC courses prior to enrolling. If prerequisites are not satisfied, permission of the College is required.

Description:

This course focuses on the conceptualization of cross- disciplinary inquiry and the intersections of theory and practice. In consultation with a College advisor, this course allows students to acquire the necessary skills to complete a high-level research paper or to complete and report on an internship in the community.

Component(s):

"Practicum/Internship/Work Term"; "Independent Study"

LOYC 421 Directed and Independent Study (3 credits)

Prerequisite/Corequisite:

Students must be members of the Loyola College for Diversity and Sustainability to enrol in this course. Students must have completed 30 university credits. Permission of the Loyola College for Diversity and Sustainability is also required.

Description:

The student works under the supervision of a Concordia faculty member on an in-depth research project approved by the Loyola College for Diversity and Sustainability as relevant to either Sustainability Studies or Diversity Studies. Note that the onus is on the student to find a supervisor willing to supervise their work.

Component(s):

"Independent Study"

Notes:

- Students who have received credit for this topic under a LOYC 398 number may not take this course for credit.

LOYC 498 Selected Topics in the Loyola College for Diversity and Sustainability (3 credits)

Prerequisite/Corequisite:

Students must complete 30 credits of LOYC courses prior to enrolling. If prerequisites are not satisfied, permission of the College is required.

Description:

Specific topics for this course and prerequisites relevant in each case are stated in the Undergraduate Class Schedule.

Notes:

- Students who have received credit for this topic under a LOYC 398 number may not take this course for credit.

Section 31.530 School of Irish Studies

School of Irish Studies

School of Irish Studies Programs

- BA Major in Irish Studies
- Minor in Irish Studies
- Certificate in Irish Studies

Irish Studies C.Edge (Career Edge) Option

School of Irish Studies Courses

School of Irish Studies

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/irish-studies.html

Objectives

The School of Irish Studies offers interdisciplinary programs in the history and culture of Ireland and Irish emigration and settlement, especially in Canada.

Courses in Irish history, literature, politics, language, ethnomusicology, film, theatre, economics, religion, women's studies and popular culture, introduce students to Ireland's rich culture and complex society. Because of the country's unique history, students are also introduced to issues pertinent in other regions of the world, such as colonization and post-colonialism, cultural nationalism, dual linguistic and religious traditions, famine and migration, rebellion and civil war, sectarian conflict and reconciliation, and economic development and globalization. Ireland therefore offers a case study relevant to other cultures and societies.

Students from diverse backgrounds and disciplines are attracted by the interdisciplinary and comparative programs of Irish Studies which prepare them either for graduate studies or to enter the work force in a wide range of fields from cultural production to media, public service to law, or education to international relations. With its own library and meeting room, the School creates an intimate and welcoming intellectual environment which is enhanced by a public lectures series as well as cultural and community events. Scholarships and opportunities to study in Ireland are available to students in the programs.

BA Major in Irish Studies

Program Requirements

Major in Irish Studies (42 credits)

15 credits from Stage I: Major in Irish Studies

12 credits from Stage II: Major in Irish Studies

15 credits from Stage III: Major in Irish Studies

Stage I: Major in Irish Studies (15 credits)

12 credits chosen from:

- HIST 211 History of Ireland (3.00)
- HIST 212 The Irish in Canada (3.00)
- IRST 203 Introduction to Irish Studies (3.00)
- IRST 209 Highlights of Irish Literature (3.00)
- IRST 210 The Irish in Canada (3.00)
- IRST 211 History of Ireland (3.00)

Note: The following courses are cross-listed:

HIST 211 and IRST 211

HIST 212 and IRST 210

3 credits in Film, Theatre, Music, and Performance chosen from:

- IRST 270 Irish Traditional Music: A Global Soundscape (3.00)
- IRST 343 Cinema in Quebec and Ireland (3.00)
- IRST 344 Classics of Irish Theatre (3.00)
- IRST 346 Irish Performance Studies (3.00)
- IRST 347 Contemporary Irish Theatre (3.00)
- IRST 371 Irish Cultural Traditions in Quebec (3.00)
- IRST 373 Irish Traditional Music in Canada: A Cultural History (3.00)

Note: Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.

Stage II: Major in Irish Studies (12 credits)

3 credits:

- IRST 300 Research Methods in Irish Studies (3.00)

3 credits in History and Diaspora Studies chosen from:

- HIST 330 The Great Irish Famine (3.00)
- IRST 303 The Global Irish (3.00)
- IRST 304 Sexualities in the Irish Diaspora (3.00)
- IRST 312 The Great Irish Famine (3.00)
- IRST 314 Independent Ireland from the Civil War to the Celtic Tiger (3.00)
- IRST 315 The Troubles in Northern Ireland (3.00)
- IRST 316 The Irish Revolution, 1913-1923 (3.00)

Note: The following courses are cross-listed:

HIST 330 and IRST 312

3 credits in Literature chosen from:

- ENGL 353 Contemporary Irish Literature (3.00)
- ENGL 355 Joyce (3.00)
- ENGL 356 The Irish Short Story Tradition (3.00)
- ENGL 357 The Irish Literary Revival (3.00)
- ENGL 359 Studies in Irish Literature (3.00)
- IRST 354 Irish Children's and Young Adult Literature (3.00)

3 credits in Film, Theatre, Music, and Performance chosen from:

- IRST 343 Cinema in Quebec and Ireland (3.00)
- IRST 344 Classics of Irish Theatre (3.00)
- IRST 346 Irish Performance Studies (3.00)
- IRST 347 Contemporary Irish Theatre (3.00)
- IRST 371 Irish Cultural Traditions in Quebec (3.00)
- IRST 373 Irish Traditional Music in Canada: A Cultural History (3.00)

Note: Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not, however, take both versions of a cross-listed course for credit.

Stage III: Major in Irish Studies (15 credits)

3 credits of 400-level IRST elective courses

12 credits of IRST elective courses at the 200, 300 or 400 level chosen in consultation with the Irish Studies advisor. At least nine credits must be at the 300 or 400 level

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Irish Studies

Program Requirements

Minor in Irish Studies (24 credits)

12 credits chosen from:

- HIST 211 History of Ireland (3.00)
- IRST 203 Introduction to Irish Studies (3.00)
- IRST 209 Highlights of Irish Literature (3.00)
- IRST 211 History of Ireland (3.00)
- IRST 270 Irish Traditional Music: A Global Soundscape (3.00)

Note: The following courses are cross-listed:

HIST 211 and IRST 211

12 credits of IRST elective courses

Note: Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.

Notes

- Students are responsible for satisfying their particular degree requirements.

Certificate in Irish Studies

Program Requirements

Certificate in Irish Studies (30 credits)

15 credits chosen from:

- HIST 211 History of Ireland (3.00)
- IRST 203 Introduction to Irish Studies (3.00)
- IRST 209 Highlights of Irish Literature (3.00)
- IRST 211 History of Ireland (3.00)
- IRST 270 Irish Traditional Music: A Global Soundscape (3.00)
- IRST 303 The Global Irish (3.00)

Note: The following courses are cross-listed:

HIST 211 and IRST 211

15 credits of IRST elective courses

Note: Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.

Notes

- Students are responsible for satisfying their particular program requirements.

Irish Studies C.Edge (Career Edge) Option

The C.Edge Option

The Irish Studies C.Edge option is offered through the Institute for Co-operative Education to students enrolled in the Major in Irish Studies. The C.Edge option is a one-term work opportunity, normally in the summer, for students to apply their knowledge and training acquired through the Irish Studies multidisciplinary program. Students interested in applying for the C.Edge option should refer to Institute for Co-operative Education where a full description is provided.

School of Irish Studies Courses

IRST 203 Introduction to Irish Studies (3 credits)

Description:

This course is a multidisciplinary introduction to the field of Irish studies, a discipline that embraces a broad range of historical and contemporary issues as they have manifested themselves on the island of Ireland, in Canada and throughout the world. In particular, questions related to individual and national identities in the context of history, language, culture, landscape, and religion are explored and debated.

Component(s):

"Lecture"

IRST 205 The Irish in Montreal (3 credits)

Description:

Drawing on a diversity of historiographical materials, this interdisciplinary course examines the story of the Irish in Canada with a particular emphasis on Quebec, from the French colonial period through the City of Montreal's golden era of mercantile prominence in the mid-19th century to the break-up of its older Irish neighbourhoods a century later. Starting with the demographics of Irish immigration and settlement, it devotes special attention to social and cultural relations between the Irish and other ethnic groups.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 213, or for this topic under a HIST 398 or IRST 398 number, may not take this course for credit.

IRST 209 Highlights of Irish Literature (3 credits)

Description:

This course introduces students to the foundational texts and main themes of Irish literary studies by placing key texts and authors in their cultural and literary backgrounds and exploring their resonances through to the present day. Works selected may include those of W.B. Yeats, Samuel Beckett, Seamus Heaney, and Eavan Boland.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ENGL 398 or IRST 398 number may not take this course for credit.

IRST 210 The Irish in Canada (3 credits)

Description:

From 17th-century fishermen and traders arriving in Newfoundland to displaced victims of the Famine in the 19th century, to contemporary immigrants from Ireland, the Irish have had a presence in all parts of Canada from the earliest days of settlement. This course examines the emigration and settlement patterns of Irish immigrants in the various regions of Canada across a period of three centuries, paying particular attention to their role in the social, economic, political, cultural, and educational development of Canadian society. The course explores the various strategies by which Irish immigrants both adapted to and transformed the particular host society in which they found themselves, and looks at other immigrant communities as a means of understanding the special contribution of the Irish to Canada.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 212, or for this topic under a HIST 398 or IRST 398 number, may not take this course for credit.

IRST 211 History of Ireland (3 credits)

(also listed as HIST 211)

Description:

After establishing some broader historical context, this survey course traces modern Irish history in the 18th, 19th and 20th centuries. Special attention is given to the development of Irish nationalism and relations with Great Britain.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 211 or for this topic under an IRST 298 number may not take this course for credit.

IRST 228 Celtic Christianity (3 credits)

(also listed as THEO 228)

Description:

This course follows a historical line to show the connections of the pre-Christian Celtic beliefs with the early Christian Church of Celtic countries. It focuses on the spirituality of the Celtic people in the context of Celtic history and culture.

Component(s):

"Lecture"

Notes:

- Students who have received credit for THEO 228 may not take this course for credit.

IRST 230 Irish Mythology and Folklore (3 credits)

Description:

This course explores Irish culture through folklore and myth — in particular, their manifestations in Irish music, literature, performing arts, and cinema. It addresses the significance of myth and folklore in written and oral history, traditions, and iconography. The course focuses on the forms, functions, and influences of Irish legends, myths, and folktales that attract learned and popular interest in Ireland and abroad.

Component(s):

"Lecture"

IRST 233 The Irish Language and its Culture I (6 credits)

Description:

This course provides a general introduction to Irish linguistic and cultural practices in modern and contemporary Ireland. It explores the principles of the Irish language and introduces students to the language through folklore, song, poetry, film, drama, and storytelling.

Component(s):

"Lecture"

IRST 270 Irish Traditional Music: A Global Soundscape (3 credits)

Description:

Covering a tapestry of cultural history from the ancient Celts to modern mega shows like Riverdance, this multidisciplinary course focuses on Irish traditional music performed in Ireland, as well as throughout the world. Drawing on historiographical and ethnomusicological theory, the course uses recordings and documentary films to explore how globalization has interfaced with this traditional genre to create a thriving transnational arena of performance and creativity.

Component(s):

"Lecture"

IRST 298 Selected Topics in Irish Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

IRST 299 Selected Topics in Irish Studies (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

IRST 300 Research Methods in Irish Studies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: IRST 203, IRST 209, IRST 210, IRST 211; IRST 270 or IRST 343 or IRST 344 or IRST 371 or IRST 373. If prerequisites are not satisfied, permission of the Department is required.

Description:

Irish Studies span a spectrum of disciplines from the humanities, fine arts and the social and political sciences. Conducting research within this diverse domain requires a broad-based set of applied and theoretical skills. This interdisciplinary course prepares upper-level undergraduates for research in Irish studies, for academic and field situations in Ireland, and in Irish diasporic settings overseas. While cross-disciplinary methodologies are emphasized throughout the course, particular attention is given to research planning and logistics, archival investigation, cross-cultural interviewing, "participant observation" fieldwork training, applied theoretical modelling, and thesis management.

Component(s):

"Lecture"

IRST 303 The Global Irish (3 credits)

Description:

This interdisciplinary course examines the Irish experience of emigration, exile, resettlement, and diaspora, emphasizing the Great Famine and its legacy in shaping Irish communities in Canada and elsewhere. It highlights debates about the impact of the Famine, the significance of Grosse-Île in Irish and Irish-Canadian cultural memory, the relationship between Irish emigration and nationalism, immigrant women and how Irish communities adopted a self-image of exile.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 number may not take this course for credit.

IRST 304 Sexualities in the Irish Diaspora (3 credits)

Description:

This course investigates the rich history that sex and sexual identities have played in shaping the Irish Diaspora over the past 200 years. Representations of Irish sexualities and gendered expectations have been a controversial constant in the story of the Irish abroad and their descendants in the global Irish Diaspora. Key themes may include marriage and divorce, homosexuality, asexuality, racism, virginity, media scandals, heroism, alcoholism, sexual assault, nationalism, propaganda, punishment, gender-bending, and religion.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ANTH 398, HIST 398, IRST 398 or SOCI 398 number may not take this course for credit.

IRST 312 The Great Irish Famine (3 credits)

Prerequisite/Corequisite:

Students must complete 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the social, political, economic, and cultural dimensions of the Great Irish Famine. Beginning with a thorough examination of society and politics in the pre-Famine period, the course explores the causes and course of the 1845-50 Famine, with emphasis on social conditions, mass mortality, emigration, and British government responses to conditions in Ireland. The outcomes and long-term consequences of the Famine for Irish society, politics, Anglo-Irish relations, and the Irish Diaspora are also explored. Some attention is also given to historiographical debates and Famine memory.

Component(s):

"Lecture"

Notes:

- Students who have received credit for HIST 330, or for this topic under a HIST 398 or IRST 398 number, may not take this course for credit.

IRST 314 Independent Ireland from the Civil War to the Celtic Tiger (3 credits)

Description:

This course examines political, social and cultural life in the post-revolution southern Irish state formed by the Anglo-Irish Treaty (1921) and Irish Civil War. Key themes include state formation and post-civil war politics; Fianna Fáil and "the republicanization" of society; church and state; Irish neutrality and Anglo-Irish relations; the political and social character of "De Valera's Ireland"; post-war economic and social change; external relations and influences; the Republic's responses to Northern Ireland and the post-1968 Troubles; globalization and the rise and fall of the Celtic Tiger economy.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 or IRST 398 number may not take this course for credit.

IRST 315 The Troubles in Northern Ireland (3 credits)

Description:

After surveying the historical roots of the divisions in Northern Irish society, the course traces the successive phases of the prolonged "Troubles" (1968 to 1998): the Catholic civil rights movement; the period of armed conflict between the IRA, loyalist paramilitaries, and security forces; and the recent peace process, as well as post-conflict issues including power-sharing, peace and reconciliation, and constitutional change. Attention is also given to cultural expressions of the Troubles and its legacies.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 or IRST 398 number may not take this course for credit.

IRST 316 The Irish Revolution, 1913-1923 (3 credits)

Description:

This course explores the political, military, social, and cultural dimensions of the turbulent period in Irish history that dissolved over a century of Anglo-Irish Union and established two new states. The course necessarily focuses on Sinn Féin and the Irish Republican Army's efforts to achieve independence from Britain, but considerable attention is also given to Ulster Unionist resistance to separatism. Additionally, other forces and dynamics that shaped this seminal period are explored, such as sectarian violence in Northern Ireland; conflict between rival nationalist factions in the south; labour and socialist agitations; agrarian discontents; and the women's suffrage and feminist movements.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a HIST 398 or IRST 398 number may not take this course for credit.

IRST 333 The Irish Language and its Culture II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: IRST 233. If prerequisites are not satisfied, permission of the School is required.

Description:

Under pressure for over 200 years from the expanding use of English, Irish is still considered by many a crucial underpinning of Irish national identity. This course assumes elementary knowledge of the Irish language as a platform for students to access cultural forms (memoirs, poetry, short stories, sean-nós songs, films) and media such as radio, newspapers, television, and podcasts. In particular, the course examines how language is intimately tied to place and landscape (dinnsheanchas: the Irish lore of place names) and how it both actively and subliminally remains a potent force in Irish cultural life.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an IRST 399 number may not take this course for credit.

IRST 343 Cinema in Quebec and Ireland (3 credits)

Description:

This course offers a comparative study of Quebec and Ireland's cinema. As cultures, Quebec and Ireland share a history of Catholicism, a relationship with British colonialism, anxiety around language, and unresolved debates about nationalism and state formation. But these points of contact are problematic. This course teases out the complexities and importance of some of these points of contact and divergence so as to engage, in a fully realized way, in a comparative analysis.

IRST 344 Classics of Irish Theatre (3 credits)

Description:

This course traces a colourful history from the mid-19th century to the present, exploring, amongst other works, the melodramas of Dionysius Boucicault; the pithy plays of Oscar Wilde; the arguably propagandistic work of WB Yeats and Augusta Gregory; the existentialism of Samuel Beckett; the Hiberno-Greek tragedies of Marina Carr; and the Tarantino inspired comedies of Martin McDonagh. Illuminating the politics — national, postcolonial, gendered and global — present in Irish theatre, this course shows that when theatre holds a mirror up to the Irish nation, a wider world is reflected back.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an IRST 398, PERC 398 or THEA 398 number may not take this course for credit.

IRST 346 Irish Performance Studies (3 credits)

Description:

Contemporary Irish culture and identity are associated with various images and forms of behaviour. With the aim of exploring contemporary Irish identity in our globalized era, this course examines performances of Irishness — from Montreal's St. Patrick's Day to alternative queer beauty pageants in Dublin, from history-making Irish political speeches to modern day street protests — and addresses questions of cultural identity, cultural authenticity and cultural evolution.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an IRST 398, PERC 398 or THEA 398 number may not take this course for credit.

IRST 347 Contemporary Irish Theatre (3 credits)

Description:

This course offers a panorama of Ireland's vibrant contemporary theatre landscape. It puts the exciting experimental developments of recent years under the spotlight, engaging with Irish drama that blurs the line between reality and fiction, that immerses its audiences in morally challenging worlds, and that pushes the boundaries of theatre as a medium. From the collectively devised works of Charabanc to Verbatim plays about the Northern Irish troubles, from activist theatre to street theatre, this course explores what happens when theatremakers step outside of conventional spaces and working methods to make art for our mediatized, technologized and globalized era.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an IRST 398, PERC 398 or THEA 398 number may not take this course for credit.

IRST 354 Irish Children's and Young Adult Literature (3 credits)

Description:

This course examines the figure of the child and the teenager in Irish culture through an exploration of Irish children's literature, texts written for adults such as Patrick McCabe's The Butcher Boy, and Irish films that focus on childhood. By focusing on a variety of genres, Irish childhood is explored from a range of perspectives such as the importance of the mythological and fantastic tradition on conceptions of the child and childhood, the significance of place and landscape, the gendering of Irish childhood, and the rise of young adult literature, as well as questions of sexuality, ethnicity, globalization, nostalgia, and national identity.

Component(s):

"Lecture"

Notes:

- Students who have received credit for "Narrating Irish Childhoods" under ENGL 359 or IRST 398 may not take this course for credit.

IRST 371 Irish Cultural Traditions in Quebec (3 credits)

Description:

Music, song, and dance have consistently acted as conduits for the integration of the Irish immigrants into Québécois society. This interdisciplinary course explores the history of Irish traditional music in Quebec since the 18th century. Using archive recordings, ballads, and dance music, the course traces the history of Irish settlement in Quebec, and focuses specifically on the diaspora of Irish music makers to the province. In exploring this eclectic soundscape, particular emphasis is given to Irish music communities in rural and urban Quebec, from the Gaspé through Quebec City and Montreal, to the Gatineau and Ottawa Valleys.

Notes:

- Students who have received credit for this topic under an ANTH 398, HIST 398, IRST 398 or SOCI 398 number may not take this course for credit.

IRST 373 Irish Traditional Music in Canada: A Cultural History (3 credits)

Description:

The cultural history of Irish traditional music in Canada is inextricably linked to a matrix of Irish immigration and settlement that began in the late 1600s and that stretched from Newfoundland to the Yukon, from Hudson Bay to the Great Lakes, evidenced in music played by Irish, French, Scottish, and First Nation communities across Canada today. Exploring the music history of the Irish in the Atlantic provinces, Lower and Upper Canada, and the Western provinces, this course draws on analytical models in history, anthropology, and cultural studies, as well as ethnomusicology and music criticism.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ANTH 398, HIST 398, IRST 398 or SOCI 398 number may not take this course for credit.

IRST 390 Field Studies in Ireland (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Irish Studies; a cumulative GPA of 3.30; completion of 30 credits in Irish Studies; submission of a detailed proposal; and permission of the School is required.

Description:

This course is designed to allow students to conduct focused study of a given subject (e.g. literature, history, language, music, film) in an Irish context. The experience in Ireland may be in the context of a structured school environment or may take the form of a more independent exploration. Based upon preparatory readings and assignments done at Concordia, students enrich their learning experience in Ireland, followed by assignments completed upon their return to Concordia. All course content and requirements are established in consultation with the School.

Component(s):

"Field Studies"

IRST 398 Special Topics in Irish Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

IRST 399 Special Topics in Irish Studies (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

IRST 403 The Irish in Quebec: Ethnic Fade and Cultural Memory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: IRST 210 or IRST 303. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course examines the role of cultural memory in relation to the adaptation and integration of Irish communities into host societies in Quebec and Canada. An advanced interdisciplinary course, it draws on theoretical and methodological currents in memory studies, historical anthropology and soundscape studies to explore social, cultural and political aspects of the Irish diaspora in Canada and, more specifically, in Quebec since the late-18th century.

Component(s):

"Lecture"

IRST 404 History and Memory in Ireland (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: IRST 211. Students must complete 21 credits in Irish Studies prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar explores the complex and politically charged relationship between history and memory in modern Ireland in the contexts of politics, popular culture, commemoration practices, and scholarship. Drawing on the insights offered by the interdisciplinary field of memory studies, it explores the interactions between past and present and memory and forgetting by tracing the ways key historical events have been historicized, revised, commemorated, and otherwise remembered (and silenced) over time by nationalists, unionists, "exiles," and other "communities of memory" in Ireland and among the Irish Diaspora. Possible memory case studies include the 1641 Rebellion; the Williamite War; the 1798 Rising; the Great Famine; the First World War and the events of the Irish Revolution; the Northern Irish "Troubles"; and Church-State institutional abuse in independent Ireland.

Notes:

- Students who have received credit for this topic under an IRST 398 or IRST 498 number may not take this course for credit.

IRST 412 Rebellions in Ireland and the Canadas (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: IRST 210 and IRST 211. If prerequisites are not satisfied, permission of the Department is required.

Description:

This seminar explores the traditions of rebellion that strikingly marked the histories of Ireland and Canada. The Irish Rising of 1798 and the 1837-38 Rebellions in Upper and Lower Canada involved class struggles, religious tensions, and attempts to define the democratic futures of both nations. Through a variety of readings about the rebellions, students explore their similarities and differences, consider their respective historiographical controversies, investigate the transatlantic links that existed between Irish and Canadian insurrectionists, and reflect upon each rebellion's historical legacy.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a HIST 398 or HIST 412 number may not take this course for credit.

IRST 498 Advanced Topics in Irish Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

IRST 499 Advanced Topics in Irish Studies (6 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Section 31.540 School of Community and Public Affairs

School of Community and Public Affairs

School of Community and Public Affairs Programs

- School of Community and Public Affairs Program Notes
- **Community, Public Affairs and Policy Studies**
  - BA Major in Community, Public Affairs and Policy Studies
- **First Peoples Studies**
  - First Peoples Studies Program Overview
  - BA Major in First Peoples Studies
  - Minor in First Peoples Studies
- **Immigration Studies**
  - Minor in Immigration Studies
  - Certificate in Immigration Studies
- **Indigenous Land-Based Education**
  - Microprogram in Indigenous Land-Based Education

School of Community and Public Affairs Courses

- First Peoples Studies Courses
- Indigenous Land-Based Education Courses
- School of Community and Public Affairs Courses

School of Community and Public Affairs

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/scpa.html

Objectives

The School of Community and Public Affairs (SCPA) offers a multidisciplinary program in public policy analysis. The School prepares its graduates to be knowledgeable participants in the policy-making process in the private, public, and community sectors.

An innovative combination of academic and practical training exposes students to a wide range of public issues. In small classes encouraging participation, students develop specialized abilities to do research, to communicate, and to organize public consultations and debates. An internship program also enables students to gain the necessary experience of working in a public affairs job.

The School will be of interest to excellent students in a variety of disciplines, including economics, history, political science, sociology, urban studies, journalism, and communication studies. While some of our students enter the work force upon completion of their undergraduate degree, the majority continue their education. SCPA graduates tend to do graduate work either in their disciplines or, more often, in professionally oriented programs including public or business administration, international affairs, industrial relations, and law.

The historic Mackay Street building which the School occupies is an ideal site for small classes, public lectures, social events, and meetings. School facilities include a common room, a reading room and documentation centre, a seminar room, a computer room, and faculty and student offices.

School of Community and Public Affairs Program Notes

Entrance Requirements:

- Students admitted to the University and seeking to enter the School must have achieved a "B" average, or the equivalent at the previous educational level. Students wishing to enter the School will be interviewed personally and asked to complete a writing test. The interview process also serves to evaluate their language skills in both English and French. In exceptional circumstances, a candidate who has failed to meet the grade requirements might be admitted on the basis of a personal assessment of potential capacities.

Performance Requirements:

- Students are required to maintain an average of "B-" in program courses.
- For further information on curriculum, programs, personnel, and objectives, please see concordia.ca/artsci/scpa

BA Major in Community, Public Affairs and Policy Studies

Program Requirements

Major in Community, Public Affairs and Policy Studies (42 credits)

18 credits from Stage I: Major in Community, Public Affairs and Policy Studies

12 credits from Stage II: Major in Community, Public Affairs and Policy Studies

12 credits from Stage III: Major in Community, Public Affairs and Policy Studies

Stage I: Major in Community, Public Affairs and Policy Studies (18 credits)

12 credits:

- SCPA 201 Introduction to Public Policy and the Public Interest (3.00)
- SCPA 203 Community and Public Affairs in Quebec and Canada (3.00)
- SCPA 215 Economics for Public Policy and Community Development (3.00)
- INTE 296 Discover Statistics (3.00)

3 credits chosen from:

- POLI 204 Introduction to Canadian Politics (3.00)
- POLI 339 Quebec Politics and Society/La vie politique québécoise (3.00)
- SCPA 204 Introduction to Canadian Politics (3.00)
- SCPA 339 Quebec Politics and Society/La vie politique québécoise (3.00)

Note: The following courses are cross-listed:

POLI 204 and SCPA 204

POLI 339 and SCPA 339

3 credits chosen from:

- HIST 205 History of Canada, Post-Confederation (3.00)
- HIST 210 Quebec since Confederation (3.00)
- SCPA 205 History of Canada, Post-Confederation (3.00)
- SCPA 210 Quebec since Confederation (3.00)

Note: The following courses are cross-listed:

HIST 205 and SCPA 205

HIST 210 and SCPA 210

Note: Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.

Stage II: Major in Community, Public Affairs and Policy Studies (12 credits)

12 credits:

- SCPA 301 Social Debates and Issues in Public Affairs and Public Policy (6.00)
- SCPA 321 Public Affairs Strategies (3.00)
- SCPA 352 Community and Local Activism (3.00)

Stage III: Major in Community, Public Affairs and Policy Studies (12 credits)

9 credits:

- SCPA 411 Internship (3.00)
- SCPA 412 Senior Research Seminar (3.00)
- SCPA 450 Neo-Liberal Globalization and the Global Justice Movement (3.00)

3 credits:

- SCPA 480 Public Affairs Communication (3.00)

Notes

- Students enrolled in the BA Major in Community, Public Affairs and Policy Studies program are strongly encouraged to combine the School's major program with a departmental major, specialization, or honours program, and meet the Faculty of Arts and Science degree requirements.
- Students who enrol in the School of Community and Public Affairs must follow, in sequence, a three-stage program.
- Students are responsible for satisfying their particular degree requirements.

First Peoples Studies Program Overview

The First Peoples Studies program is a major designed to introduce students to the world of First Peoples (First Nations, Inuit, and Métis), specifically within the Quebec context. It investigates the history, the current situation, and the changing needs of First Peoples.Taught from First Peoples perspectives and based on sound, culturally sensitive research, the program's aim is to bring accurate awareness and a better understanding of First Peoples issues, develop further understanding of society'sstanding in relation to First Peoples, and build bridges towards mutual understanding between Quebec society and First Peoples. Students are encouraged, though not required, to take either a minor in another area of study, or a second major in order to facilitate the acquisition of complementary knowledge and practical skills relevant to contributing to the well-being and advancement of First Peoples.

BA Major in First Peoples Studies

Program Requirements

Major in First Peoples Studies (45 credits)

16 credits from Stage I: Major in First Peoples Studies

19 credits from Stage II: Major in First Peoples Studies

10 credits from Stage III: Major in First Peoples Studies

Stage I: Major in First Peoples Studies (16 credits)

10 credits:

- FPST 201 Introduction to First Peoples Studies (3.00)
- FPST 202 Research Strategies in First Peoples Studies (3.00)
- FPST 203 First Peoples of Canada (3.00)
- FPST 297 Proseminar 1: Indigenous Ways of Knowing (1.00)

6 credits chosen from:

- FPST 210 Haudenosaunee Peoples (3.00)
- FPST 211 Algonquian Peoples (3.00)
- FPST 212 Inuit Peoples (3.00)
- FPST 298 Selected Topics in First Peoples Studies (3.00)

Stage II: Major in First Peoples Studies (19 credits)

13 credits:

- FPST 301 The Indian Act (3.00)
- FPST 302 First Peoples and Education (3.00)
- FPST 303 First Peoples and Health (3.00)
- FPST 341 Globalization and Indigenous Peoples (3.00)
- FPST 397 Proseminar 2: Ethics and First Peoples (1.00)

6 credits chosen from:

- FPST 306 Contemporary First Peoples Art (3.00)
- FPST 310 Linguistic Introduction to Algonquian Languages (3.00)

- FPST 311 Linguistic Introduction to Haudenosaunee Languages (3.00)
- FPST 312 Linguistic Introduction to Inuktitut Language (3.00)
- FPST 320 First Peoples and the Media (3.00)
- FPST 321 First Peoples and Justice (3.00)
- FPST 322 First Peoples and the Fur Trade (3.00)
- FPST 323 First Peoples Sacred Stories (3.00)
- FPST 398 Special Topics in First Peoples Studies (3.00)
- RELI 368 Religion and Indigenous Traditions (3.00)
- WSDB 381 Indigenous Women and Feminisms (3.00)

Stage III: Major in First Peoples Studies (10 credits)

7 credits:

- FPST 401 Contemporary Politics in First Peoples Communities (3.00)
- FPST 402 First Peoples Contemporary Social Issues (3.00)
- FPST 497 Proseminar 3: Oral Traditions as Methodology (1.00)

3 credits chosen from:

- FPST 406 Decolonizing First Peoples Art (3.00)
- FPST 410 First Peoples Community Development (3.00)
- FPST 411 First Peoples Treaties and Agreements (3.00)
- FPST 412 First Peoples and Governance (3.00)
- FPST 413 First Peoples International Relations and Diplomacy (3.00)
- FPST 414 First Peoples Rights Movements (3.00)
- FPST 415 Indigenous Identity and Nationalism (3.00)
- FPST 490 Aboriginal Community Economic Development I (3.00)
- FPST 491 Aboriginal Community Economic Development II (3.00)
- FPST 498 Advanced Topics in First Peoples Studies (3.00)
- COMS 419 Communication and Indigenous Media (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in First Peoples Studies

Program Requirements

Minor in First Peoples Studies (24 credits)

12 credits:

- FPST 201 Introduction to First Peoples Studies (3.00)
- FPST 202 Research Strategies in First Peoples Studies (3.00)
- FPST 203 First Peoples of Canada (3.00)
- FPST 301 The Indian Act (3.00)

3 credits chosen from:

- FPST 210 Haudenosaunee Peoples (3.00)
- FPST 211 Algonquian Peoples (3.00)
- FPST 212 Inuit Peoples (3.00)

3 credits chosen from:

- FPST 310 Linguistic Introduction to Algonquian Languages (3.00)
- FPST 311 Linguistic Introduction to Haudenosaunee Languages (3.00)
- FPST 312 Linguistic Introduction to Inuktitut Language (3.00)

3 credits chosen from:

- FPST 302 First Peoples and Education (3.00)
- FPST 303 First Peoples and Health (3.00)
- FPST 320 First Peoples and the Media (3.00)
- FPST 321 First Peoples and Justice (3.00)
- FPST 322 First Peoples and the Fur Trade (3.00)
- FPST 323 First Peoples Sacred Stories (3.00)

3 credits chosen from:

- FPST 401 Contemporary Politics in First Peoples Communities (3.00)
- FPST 402 First Peoples Contemporary Social Issues (3.00)
- FPST 411 First Peoples Treaties and Agreements (3.00)
- FPST 412 First Peoples and Governance (3.00)

- FPST 413 First Peoples International Relations and Diplomacy (3.00)
- FPST 414 First Peoples Rights Movements (3.00)
- FPST 415 Indigenous Identity and Nationalism (3.00)
- FPST 490 Aboriginal Community Economic Development I (3.00)
- FPST 491 Aboriginal Community Economic Development II (3.00)

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Immigration Studies

Program Requirements

Minor in Immigration Studies (24 credits)

9 credits:

- SCPA 212 Introduction to Global Migration: Theories and Issues (3.00)
- SCPA 315 Immigration in Quebec and Canada (3.00)
- SCPA 481 Settlement and Integration (3.00)

15 credits chosen from:

- ANTH 202 Introduction to Culture (3.00)
- ANTH 230 Race and Ethnic Relations (3.00)
- ANTH 381 Ethnic Communities in Canada (3.00)
- GEOG 210 Geography of Global Change (3.00)
- GEOG 220 Place, Space, and Identity (3.00)
- GEOG 310 Refugees and Migration in Today's World (3.00)
- GEOG 321 A World of Food (3.00)
- HIST 212 The Irish in Canada (3.00)
- HIST 283 The 20th Century: A Global History (3.00)
- HIST 302 The Invasion of America: European Colonization and Indigenous Resistance before 1800 (3.00)
- HIST 308 Cultures in Contact: A History of Migration (3.00)
- IRST 210 The Irish in Canada (3.00)
- IRST 303 The Global Irish (3.00)
- POLI 339 Quebec Politics and Society/La vie politique québécoise (3.00)
- POLI 340 Canadian Political Culture (3.00)
- POLI 349 Political and Social Theory and the City (3.00)
- RELI 312 Justice and Social Conflict in a Globalized World (3.00)
- SCPA 339 Quebec Politics and Society/La vie politique québécoise (3.00)
- SOCI 230 Race and Ethnic Relations (3.00)
- SOCI 381 Ethnic Communities in Canada (3.00)
- THEO 233 Religious Pluralism in a Secular Culture (3.00)
- THEO 343 Religion and Politics (3.00)

Note: The following courses are cross-listed:

ANTH 230 and SOCI 230

ANTH 381 and SOCI 381

HIST 210 and IRST 210

POLI 339 and SCPA 339

Notes

- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.
- Students are responsible for satisfying their particular degree requirements.

Certificate in Immigration Studies

Program Requirements

Certificate in Immigration Studies (30 credits)

12 credits:

- SCPA 212 Introduction to Global Migration: Theories and Issues (3.00)
- SCPA 315 Immigration in Quebec and Canada (3.00)
- SCPA 481 Settlement and Integration (3.00)
- SCPA 482 Field Project in Immigration, Migration and Diversity (3.00)

18 credits chosen from:

- ANTH 202 Introduction to Culture (3.00)
- ANTH 230 Race and Ethnic Relations (3.00)
- ANTH 381 Ethnic Communities in Canada (3.00)
- GEOG 210 Geography of Global Change (3.00)
- GEOG 220 Place, Space, and Identity (3.00)
- GEOG 310 Refugees and Migration in Today's World (3.00)
- GEOG 321 A World of Food (3.00)
- HIST 212 The Irish in Canada (3.00)
- HIST 283 The 20th Century: A Global History (3.00)
- HIST 302 The Invasion of America: European Colonization and Indigenous Resistance before 1800 (3.00)
- HIST 308 Cultures in Contact: A History of Migration (3.00)
- IRST 210 The Irish in Canada (3.00)
- IRST 303 The Global Irish (3.00)
- POLI 339 Quebec Politics and Society/La vie politique québécoise (3.00)
- POLI 340 Canadian Political Culture (3.00)
- POLI 349 Political and Social Theory and the City (3.00)
- RELI 312 Justice and Social Conflict in a Globalized World (3.00)
- SCPA 339 Quebec Politics and Society/La vie politique québécoise (3.00)
- SOCI 230 Race and Ethnic Relations (3.00)
- SOCI 381 Ethnic Communities in Canada (3.00)
- THEO 233 Religious Pluralism in a Secular Culture (3.00)

- THEO 343 Religion and Politics (3.00)

Note: The following courses are cross-listed:

ANTH 230 and SOCI 230

ANTH 381 and SOCI 381

HIST 212 and IRST 210

POLI 339 and SCPA 339

Notes

- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.
- Students are responsible for satisfying their particular program requirements.

Microprogram in Indigenous Land-Based Education

Program Requirements

Microprogram in Indigenous Land-Based Education (12 credits)

12 credits:

- FPST 210 Haudenosaunee Peoples (3.00)
- ILBE 301 Indigenous Land-Based Field Studies Part I (3.00)
- ILBE 302 Indigenous Land-Based Field Studies Part II (3.00)
- ILBE 403 Integrative Seminar on Indigenous Sustainability and Self-Determination (3.00)

Notes

- Students enrolled in this microprogram who have not registered for a course for four consecutive terms or more will have a lapsed notation entered on their student record.

First Peoples Studies Courses

FPST 201 Introduction to First Peoples Studies (3 credits)

Description:

This course introduces the guiding concepts central to First Peoples Studies at Concordia. These guiding concepts are often misunderstood by mainstream society. Themes include the Medicine Wheel as a structuring approach to course content and teaching/learning; worldviews; colonization and decolonization; First Peoples thought and knowledge; the diversity among First Peoples; and individual and community empowerment within First Peoples frames of reference. Principles and practices of dialogue and cross-cultural communication are introduced. A key process goal of the course is for students to explore, with increasing skill and knowledge, their own motivations, positioning, and goals in relation to pursuing First Peoples Studies.

Component(s):

"Lecture"

FPST 202 Research Strategies in First Peoples Studies (3 credits)

Description:

This course introduces basic concepts, practices, and issues for study and research consistent with the goals of First Peoples Studies, including the historical relation of First Peoples to academic research; ethical considerations; the social construction of knowledge, the influence of First Peoples thought, knowledge, and ways of knowing on the development of relevant contemporary research; basic steps of designing, carrying out, and presenting research within several contemporary models, including participatory research; constructive relations of people of other cultures to researching in the area; qualitative and quantitative research methods, including asking research questions; and basic skills of interviewing, as well as treating, analyzing and presenting interview data, within qualitative research.

Component(s):

"Lecture"

FPST 203 First Peoples of Canada (3 credits)

Description:

This course provides an introductory overview of knowledge related to the eleven cultural groups of First Peoples in Canada. It explores theories of migration, geographic location, cultural and linguistic diversity, historical socio-economic and political systems as well as the relationships with the environment and traditional practices and beliefs. In-depth focus is placed on representative nations within each group.

Component(s):

"Lecture"

FPST 210 Haudenosaunee Peoples (3 credits)

Description:

This course traces the history of the Haudenosaunee (Iroquois) from the period of the founding of the Confederacy to the present. With particular focus on the Kanien'kehaka (Mohawk) of Quebec, it includes discussion on the culture, language, and structure of Haudenosaunee society, the formation of the Haudenosaunee Confederacy, traditional philosophies such as the Kaienerekowa (Great Law of Peace) and the Code of Handsome Lake, Kanonsesro:non (people who adhere to the ways of the Longhouse), symbolism, as well as contemporary issues, including the impact of Euro-Canadian government policies.

Component(s):

"Lecture"

FPST 211 Algonquian Peoples (3 credits)

Description:

This course explores the specific cultures of the Algonquian peoples of Canada with an emphasis on the peoples of Quebec (the Abenaki, the Algonquin, the Attikamek, the Cree, the Innu, the Malecite, the Mik'maq, and the Naskapi) and in particular the Eeyouch (the Cree Nations). From a historical perspective and using a sociological approach, this course examines social and political structures, gender-defined roles, relationship with the environment, as well as spirituality and language. This course also examines changing roles and structures influenced by colonization, including the imposition of federal policies.

Component(s):

"Lecture"

FPST 212 Inuit Peoples (3 credits)

Description:

This course explores the specific cultures of the Inuit peoples in Canada with a particular emphasis on the Inuit people of Nunavik (Northern Quebec). The course examines social and political structures, gender-defined roles, the Arctic way of life, the Inuit language and its dialects, as well as the spiritual beliefs of the Inuit. This course also examines changing roles and structures influenced by colonization, including the imposition of federal policies.

Component(s):

"Lecture"

FPST 297 Proseminar 1: Indigenous Ways of Knowing (1 credits)

Prerequisite/Corequisite:

Registration in the BA Major in First Peoples Studies is required. Permission of the School is required.

Description:

This course examines how traditional knowledge continues to maintain relevance in the modern world. Students learn, both personally and professionally, how to work with, incorporate, and record indigenous knowledge.

Component(s):

"Modular"

FPST 298 Selected Topics in First Peoples Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

FPST 301 The Indian Act (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FPST 201, FPST 202.

Description:

This course focuses on the Indian Act, with an emphasis on its impact on the First Peoples of Quebec. This includes discussion of the events leading up to its imposition, its implications for First Peoples cultures and societies, as well as related policies and other instruments of assimilation and colonization. Issues of accommodation and resistance are discussed. Effects of proposed changes to the Indian Act are analyzed and alternative solutions are explored.

Component(s):

"Lecture"

FPST 302 First Peoples and Education (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FPST 201, FPST 202.

Description:

This course traces the history of the education of the First Peoples. It explores current issues in education, including educational approaches defined and implemented by First Peoples. Topics covered include traditional ways of learning and teaching. The issue of colonization, including early attempts at religious and linguistic conversion, as well as Canada's residential school system and its continuing legacy, are discussed in depth.

Component(s):

"Lecture"

FPST 303 First Peoples and Health (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FPST 201, FPST 202.

Description:

This course addresses First Peoples wellness philosophies and healing approaches in dealing with contemporary health problems. It draws significantly on historical perspectives of First Peoples mental, physical, spiritual, and emotional health issues, including pre-contact health and environments, the introduction of alcohol and viral disease, as well as the emergence of lifestyle-related diseases. Some of the current health issues to be explored include structural inequalities, institutional mistreatment, addictions, diabetes, HIV/AIDS, and mental health.

Component(s):

"Lecture"

FPST 306 Contemporary First Peoples Art (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FPST 201, FPST 202.

Description:

This course provides an in-depth examination of various artist traditions among First Peoples. Beginning in the post-World War II era, topics covered include historical and contemporary trends and influences in artistic production, biopics of prominent artists, and issues surrounding museum collection and arts patronage by settlers/non-autochtons. The lived experiences and realities of First Peoples will inform all topics examined in the course.

Component(s):

"Lecture"

FPST 310 Linguistic Introduction to Algonquian Languages (3 credits)

Description:

This course presents a general overview of the eight Algonquian languages spoken in Quebec, with special emphasis on the Cree language. The course introduces the student to basic vocabulary, different dialects and writing systems. It explores the basic components that make up Algonquian languages, including sounds, word composition, sentence structure and meaning. Other topics include linguistic interference from dominant languages, semantic shift and the use of language as a social tool. This course assists the student to recognize and value the social and cultural context of language.

Component(s):

"Lecture"

FPST 311 Linguistic Introduction to Haudenosaunee Languages (3 credits)

Description:

This course presents a general overview of the six Haudenosaunee (Iroquoian) languages, with special emphasis on Kanien'kehaka (the Mohawk language). The course introduces the student to basic vocabulary, different dialects and writing systems. It explores the basic components that make up Haudenosaunee languages including sounds, word composition, sentence structure and meaning. Other topics include linguistic interference from dominant languages. This course assists the student to recognize and value the social and cultural context of language.

Component(s):

"Lecture"

FPST 312 Linguistic Introduction to Inuktitut Language (3 credits)

Description:

This course presents a general overview of the Inuktitut language, with special emphasis on the dialect spoken in Nunavik (Northern Quebec). The course introduces the student to basic vocabulary, different dialects, and the syllabic writing system used by Inuit people. It explores the basic components that make up Inuktitut, including sounds, word composition, sentence structure and meaning. Other topics include linguistic interference from dominant languages. This course assists the student to recognize and value the social and cultural context of language.

Component(s):

"Lecture"

FPST 320 First Peoples and the Media (3 credits)

Description:

This course explores how First Peoples have been portrayed in selected media such as television, film, and advertising by looking at different representations in various industries such as advertising, sports, and tourism. This includes discussion on the relationship between media and First Peoples including the media's impact on relations between the mainstream society and First Peoples. The social role of different forms of media as used by First Peoples in the process of empowerment is also discussed.

Component(s):

"Lecture"

FPST 321 First Peoples and Justice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FPST 301.

Description:

This course focuses on the relationship between First Peoples and the Canadian justice system. It looks specifically at how the Canadian legal, judicial, and penal system has dealt with First Peoples through time. The course also explores pre-contact forms of justice, tensions between European and indigenous conceptions of justice, First Peoples response to Canadian justice, and the emergence of alternative, indigenous mechanisms of judicial administration within communities in Quebec and Canada.

Component(s):

"Lecture"

FPST 322 First Peoples and the Fur Trade (3 credits)

Description:

This course provides an in-depth historical and sociological analysis of the impact of the fur trade on the First Peoples of Canada. Topics include the emergence of the fur trade, and fur-trading companies' dependence on First Peoples. Special emphasis is placed on changing demographics as a result of the fur trade, the increasing reliance on European goods, First Peoples entrepreneurial spirit, the birth of the Métis Nation, as well as the evolving political and economic role of women within fur-trading society.

Component(s):

"Lecture"

FPST 323 First Peoples Sacred Stories (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FPST 201 or FPST 203.

Description:

Through storytelling, reading, discussion, and writing, this course explores themes of fundamental human concern for First Peoples. It considers oral traditions as integral to broader, culturally defined systems of knowledge and explores the role of sacred stories in traditional and contemporary societies. This includes discussion on the role of stories as vehicles for encoding and transmitting knowledge about the people, the environment, the culture and history. Stories analyzed include creation stories, trickster tales, oral historical accounts, and stories relating to natural phenomena.

Component(s):

"Lecture"

FPST 341 Globalization and Indigenous Peoples (3 credits)

Description:

This course explores the situation of First Peoples across the world from a comparative indigenous perspective. The primary aim of the course is to familiarize students with the similarities and differences between indigenous cultures and nations within the context of global colonialism past and present.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ANTH 303 or SOCI 303 may not take this course for credit.

FPST 397 Proseminar 2: Ethics and First Peoples (1 credits)

Prerequisite/Corequisite:

Registration in the BA Major in First Peoples Studies is required. Permission of the School is required.

Description:

This course examines ethical issues pertaining to First Peoples from traditional and non-traditional perspectives. In addition to addressing community/research conflict and co-operation, concerns of insider/outsider research and cultural considerations in conducting research are also studied.

Component(s):

"Modular"

FPST 398 Special Topics in First Peoples Studies (3 credits)

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

FPST 401 Contemporary Politics in First Peoples Communities (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FPST 301. If prerequisites are not satisfied, permission of the School is required.

Description:

This course focuses on First Peoples politics in the Quebec and Canadian contexts. It explores more specifically the emergence and actions of First Peoples political organizations over the past 40 years, First Peoples relationships with successive federal and provincial governments, movements of national self-affirmation, and the nature of the political interface between competing groups inside First Peoples communities.

Component(s):

"Lecture"

FPST 402 First Peoples Contemporary Social Issues (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FPST 302, FPST 303. If prerequisites are not satisfied, permission of the School is required.

Description:

This course addresses contemporary social issues and challenges faced by First Peoples. It analyzes the underlying causes of issues such as poverty, lack of formal education, isolation, alcohol and substance abuse, family violence and sexual abuse. The course also examines current healing approaches and programs used to deal with these issues, and fosters discussion on possible alternatives.

Component(s):

"Lecture"

FPST 406 Decolonizing First Peoples Art (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FPST 306. If prerequisites are not satisfied, permission of the School is required.

Description:

This course examines First Peoples artistic contributions within the context of decolonizing indigenous art globally. Topics explored highlight the relationship between culture, society, politics and visual art that illustrate art as part of the anticolonial resistance by First Peoples as well as the role of museums and exhibitions in fictioning national identities.

Component(s):

"Lecture"

FPST 410 First Peoples Community Development (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: FPST 401. If prerequisites are not satisfied, permission of the School is required.

Description:

This course examines the concepts and experiences of community development among First Peoples, with an emphasis on Quebec. Selected community development models, their goals, processes, and means of evaluation, are analyzed. The course introduces students to analytical and practical skills in context-sensitive community development guided by First Peoples thought and knowledge. Students explore dynamics of nourishing community participation and leadership, as well as analyze community structures and inter-group relations within communities. Reference is made to on-reserve, urban, rural, and northern contexts. Ethical considerations are discussed. This course includes analysis of case studies.

Component(s):

"Lecture"

FPST 411 First Peoples Treaties and Agreements (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: FPST 401. If prerequisites are not satisfied, permission of the School is required.

Description:

This course explores the contemporary issues associated with treaties and indigenous land claims agreements. Emphasis is placed on selected historically significant treaties between the First Peoples, and those between the First Peoples and the Europeans. The original intent and framework of treaties and agreements, the negotiation processes involved, and the implementation of treaties and modern agreements are also discussed.

Component(s):

"Lecture"

FPST 412 First Peoples and Governance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: FPST 401. If prerequisites are not satisfied, permission of the School is required.

Description:

This course examines the political and administrative mechanisms which First Peoples use to arbitrate competing interests, manage conflict, and formulate policies in their communities across Quebec and Canada. The course analyzes political and administrative institutions inherited from the Indian Act, as well as governance strategies developed in conformity with First

Peoples traditions and in resistance to the Canadian state's institutional dominion. The course also explores the tensions created by the coexistence of European and indigenous modes of governance within and outside First Peoples communities.

Component(s):

"Lecture"

FPST 413 First Peoples International Relations and Diplomacy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FPST 321. If prerequisites are not satisfied, permission of the School is required.

Description:

This course focuses on the actions and interventions of various First Peoples on the international scene, both in the past and in the present. The course's primary aim is to explore the reasons why First Peoples have resorted to international forums and institutions, how they conduct their international action and whether in the end international diplomacy works to their advantage.

Component(s):

"Lecture"

FPST 414 First Peoples Rights Movements (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: FPST 401, FPST 402. If prerequisites are not satisfied, permission of the School is required.

Description:

This course focuses on the many historical and contemporary forms of First Peoples resistance to colonization, including violent and non-violent resistance, revitalization movements and self-determination. It explores liberation theory and its roots in colonial oppression and analyzes historical and contemporary resistance movements such as the confrontation at Kanehsatake (Oka) and Esgenoopetitj (Burnt Church) and the movement for decolonization through self-determination.

Component(s):

"Lecture"

FPST 415 Indigenous Identity and Nationalism (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: FPST 401. If prerequisites are not satisfied, permission of the School is required.

Description:

This course explores the political and ideological ramifications of the expression of indigenous identity. It focuses on the emergence of First Peoples nationalist movements, compares them with non-Aboriginal nationalisms, and examines the nature and conceptual foundations of the indigenous sense of nation. Attention is devoted to the political efficiency of indigenous nationalism in its interface with the Canadian and Quebec states. Case studies particularly emphasize Kanien'kehaka and Eeyou nationalisms.

Component(s):

"Lecture"

FPST 490 Aboriginal Community Economic Development I (3 credits)

Prerequisite/Corequisite:

Students must have completed 60 credits prior to enrolling. Enrolment in the BA Major in First Peoples Studies is required. Permission of the School is required.

Description:

This course assists participants in exploring specific issues related to Aboriginal economic development in particular settings (in reserve, urban, rural, and northern communities), as well as addressing challenges common to Aboriginal CED. It assists participants in exploring historical and contemporary relationships between Aboriginal communities and the predominant cultural and economic forces, and comparing traditional Aboriginal organizational and economic practices with the new approaches being proposed by CED.

Component(s):

"Lecture"

FPST 491 Aboriginal Community Economic Development II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FPST 490. If prerequisites are not satisfied permission of the School is required.

Description:

This course uses a case study approach to evaluate one or more economic development strategies applied within an Aboriginal community. An historical overview of this experience outlines the cultural and political context which has shaped these strategies as well as their results. CED approaches are examined in the context of this individual experience. This course may include on-site visits and guest lecturers.

Component(s):

"Lecture"

FPST 497 Proseminar 3: Oral Traditions as Methodology (1 credits)

Prerequisite/Corequisite:

Registration in the BA Major in First Peoples Studies is required. Permission of the School is required.

Description:

This course explores the validity and importance of oral traditions as a way to comprehend First Peoples knowledge and its continued relevance in the modern world.

Component(s):

"Modular"

FPST 498 Advanced Topics in First Peoples Studies (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

Indigenous Land-Based Education Courses

ILBE 301 Indigenous Land-Based Field Studies Part I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Microprogram in Indigenous Land-Based Education is required. If prerequisites are not satisfied, permission of the School is required.

Description:

In this experiential course, students engage in seasonal immersive land-based activities in the community of Kahnawake, as well as classroom-based discussions via sharing circles, presentations by Indigenous knowledge holders, and other experiential classroom methods. Students build awareness and reconnection to the land drawing from Rotinonhsión:ni knowledge systems such as the Creation Story and the Ohénton Karihwatehkwken. Students examine land as learning space and examine how fostering land-based pedagogies can promote collective well-being and self-sufficiency.

Component(s):

"Field Studies"

ILBE 302 Indigenous Land-Based Field Studies Part II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FPST 210; ILBE 301. Enrolment in the Microprogram in Indigenous Land-Based Education is required. If prerequisites are not satisfied, permission of the School is required.

Description:

In this experiential course, students engage in seasonal immersive land-based activities in the community of Kahnawake as well as classroom-based discussions via sharing circles, presentations by Indigenous knowledge holders, and other experiential classroom methods. Students build awareness and reconnection to the land drawing from Rotinonhsión:ni knowledge systems such as the Creation Story and the Ohénton Karihwatehkwken and other Indigenous epistemologies as they relate to Indigenous land-based education. Students examine land as learning space, variations of Indigenous land-based systems, and examine how fostering land-based pedagogies can promote collective well-being and self-sufficiency.

Component(s):

"Field Studies"

ILBE 403 Integrative Seminar on Indigenous Sustainability and Self-Determination (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FPST 210; ILBE 301. Enrolment in the Microprogram in Indigenous Land-Based Education is required. If prerequisites are not satisfied, permission of the School is required.

Description:

This course aims to expand students' knowledge and understanding about diverse Indigenous land-based practices through guest lectures, seminars and/or workshops offered by Indigenous community-based cultural knowledge experts, and other Indigenous scholars across Turtle Island. Students critically examine what sustainability means from Indigenous

perspectives and its linkages to self-determination. As well, students explore topics on Indigenous traditional food systems, food security and food sovereignty, models of Indigenous economic self-sufficiency, and Indigenous health systems.

Component(s):

"Seminar"

School of Community and Public Affairs Courses

SCPA 201 Introduction to Public Policy and the Public Interest (3 credits)

Description:

This course introduces students to the theoretical, philosophical, and ethical foundations as well as the social logic of public policy formulation in modern societies. Using a multidisciplinary approach, it pays particular attention to the complex interaction between groups, individuals, and institutions in society, and brings students to consider issues related to the nature of the modern state, business-government relations, the labour movement, non-profit and community organizations, the influence of interest groups, media and international institutions on the policy agenda.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SCPA 300 may not take this course for credit.

SCPA 203 Community and Public Affairs in Quebec and Canada (3 credits)

Description:

This course examines the interaction between civil society organizations and the state in the particular context of Quebec and Canada. It focuses on the labour movement, social movements and interest groups, and analyzes their role and influence in the policy-making process in Quebec and Canada, especially with regard to social policy, socio-economic development and human rights.

Component(s):

"Lecture"

Notes:

- This course is taught in French.
- Students who have received credit for SCPA 300 may not take this course for credit.

SCPA 204 Introduction to Canadian Politics (3 credits)

(also listed as POLI 204)

Description:

This course is a basic introduction to the fundamental issues of Canadian public life and the federal political system. It presents an overview of the constitution, institutions, political parties, electoral system, interest groups, and public opinion that represent the essential components of Canada's political culture and government.

Component(s):

"Lecture"

Notes:

- Students required to take this course under Political Science as part of a major or specialization in that discipline must replace the credits with a course chosen in consultation with the SCPA advisor.

SCPA 205 History of Canada, Post-Confederation (3 credits)

(also listed as HIST 205)

Description:

A survey of Canadian history from Confederation to the present, emphasizing readings and discussions on selected problems.

Component(s):

"Lecture"

Notes:

- Students required to take this course under Political Science as part of a major or specialization in that discipline must replace the credits with a course chosen in consultation with the SCPA advisor.

SCPA 210 Quebec since Confederation (3 credits)

(also listed as HIST 210)

Description:

A survey of the history of Quebec from the time of Confederation until the present. While due emphasis is placed on political developments in the province, the purpose of the course is to acquaint the student with the significant economic and social trends in modern Quebec.

Component(s):

"Lecture"

Notes:

- Students required to take this course under Political Science as part of a major or specialization in that discipline must replace the credits with a course chosen in consultation with the SCPA advisor.

SCPA 212 Introduction to Global Migration: Theories and Issues (3 credits)

Description:

This course explores key concepts and paradigms of immigration, migration and diversity issues confronting nation-states around the globe and examines questions relating to illegal immigration, refugee movements, economic migrants, temporary migration and population displacement due to conflict and environmental issues and the subject of integration.

Component(s):

"Lecture"

SCPA 215 Economics for Public Policy and Community Development (3 credits)

Description:

Based on an overview of current economic issues, this course introduces students to the fundamental analytical tools and concepts that are necessary to understand economic public policy and relevant to community development and empowerment.

Component(s):

"Lecture"

SCPA 298 Selected Topics in Community and Public Affairs (3 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

SCPA 299 Selected Topics in Community and Public Affairs (6 credits)

Description:

Specific topics for this course, and relevant prerequisites, are stated in the Undergraduate Class Schedule.

SCPA 301 Social Debates and Issues in Public Affairs and Public Policy (6 credits)

Prerequisite/Corequisite:

Successful completion of Stage I is required prior to enrolling. If prerequisites are not satisfied permission of the School is required.

Description:

This course emphasizes a deeper understanding of the process by which public policies are developed, implemented, and advocated, and of the role played by various institutions or groups in this process. Each year, a new set of key policy issues is selected for discussion and analysis. Students work in teams and are required to do case studies of institutions or groups relevant to the policy or public affairs issue they have chosen. The focus is on developing both communication skills, through oral and written presentations, and organizational skills as each team must organize one public panel discussion on one of the selected issues. The course takes place over the fall and winter terms.

Component(s):

"Seminar"

Notes:

- Students who have received credit for SCPA 401 may not take this course for credit.

SCPA 315 Immigration in Quebec and Canada (3 credits)

(also listed as POLI 354)

Description:

This course focuses on immigration and policies as well as the social consequences of immigration and multiculturalism in Canadian and Quebec contexts. Students learn about the evolution of policy in these areas as well as covering topics such as public opinion and reactions toward immigration, advantages and challenges of multiculturalism vs. integration, and the theoretical debates surrounding immigration and models of integration (assimilation, civic integration, multiculturalism).

Component(s):

"Lecture"

Notes:

- Students who have received credit for POLI 354 or for this topic under a POLI 316 number may not take this course for credit.

SCPA 321 Public Affairs Strategies (3 credits)

Prerequisite/Corequisite:

Successful completion of Stage I is required prior to enrolling. If prerequisites are not satisfied permission of the School is required.

Description:

This course examines and analyzes the ways in which corporate, public, and community organizations anticipate, monitor, and manage their relations with the social, political, and environmental forces which shape their operations and influencetheir action in their respective field. It familiarizes students with the strategies most often used in public affairs management, and develops the skills required for effective results.

Component(s):

"Seminar"

SCPA 339 Quebec Politics and Society/La vie politique québécoise (3 credits)

(also listed as POLI 339)

Description:

This course is a study of the changing party structure and political issues in Quebec and their relationship to constitutional, cultural, and economic factors.

On étudiera dans ce cours l'évolution structurelle des partis et des questions politiques au Québec en fonction de facteurs d'ordre constitutionnel, culturel et économique.

Component(s):

"Lecture"

Notes:

- The course will be offered in both English and French on a rotational basis. Please consult the Undergraduate Class Schedule for details.

- Students required to take this course under Political Science as part of a major or specialization in that discipline must replace the credits with a course chosen in consultation with the SCPA advisor.
- Students who have received credit for POLI 211, POLI 339 or SCPA 211 may not take this course for credit.

SCPA 352 Community and Local Activism (3 credits)

Description:

The goal of this course is to share, study, and debate dimensions of community and local activism. It critically examines traditions and histories of a variety of perspectives and presents current examples of local and community activism.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ANTH 353 or SCPA 353 or SOCI 353, or for this topic under a SCPA 398 number, may not take this course for credit.

SCPA 398 Special Area Study in Community and Public Affairs (3 credits)

Prerequisite/Corequisite:

Successful completion of Stage I is required prior to enrolling. If prerequisites are not satisfied permission of the School is required.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

SCPA 411 Internship (3 credits)

Prerequisite/Corequisite:

Successful completion of Stages I and II are required prior to enrolling. If prerequisites are not satisfied permission of the School is required.

Description:

An essential part of the School's program is a one-term apprenticeship in some aspect of community and public affairs. After completing 60 credits of the BA program, including Stages I and II, students are required to complete a practicum that will allow them to test their skills in a real situation. Placements may be drawn from all areas of possible employment, including the private sector, government and community service organizations. Students are expected to participate fully in finding and defining possible internships. Employers are asked to join in an evaluation of the work period. Students are required to submit a written report which summarizes and evaluates their work experience.

Component(s):

"Practicum/Internship/Work Term"

SCPA 412 Senior Research Seminar (3 credits)

Prerequisite/Corequisite:

Successful completion of Stages I and II are required prior to enrolling. If prerequisites are not satisfied permission of the School is required.

Description:

In this course, students work in groups and are required to play out the position of a given corporate, public, or community organization in a simulation of real-life interaction between social and political actors over a particular policy issue. To this end, they must research and prepare all the necessary material (such as briefs, position papers, press kits) that will allow them to defend and make their policy position known. The actual simulation takes place in a one-day event at the end of the term.

Component(s):

"Seminar"

SCPA 450 Neo-Liberal Globalization and the Global Justice Movement (3 credits)

Description:

This course, by examining global justice movements in the context of neo-liberal globalization, focuses on social movements, public policy and community.

Component(s):

"Seminar"

Notes:

- Student who have received credit for this topic under a SCPA 498 number may not take this course for credit.

SCPA 480 Public Affairs Communication (3 credits)

Prerequisite/Corequisite:

Successful completion of Stages I and II are required prior to enrolling. If prerequisites are not satisfied permission of the School is required.

Description:

Public affairs communications is the backbone of public policy, politics and advocacy. It is a specialized communication skill set aimed at educating, driving or changing public opinion around a public policy, legislation, political candidates or issues. It includes skills such as understanding and executing public opinion research, political and advocacy campaigns, grassrootsand ally development, opinion writing, advocacy advertising, and new media mobilization, among others.

Component(s):

"Lecture"

Notes:

- Students who have received credit for SCPA 460, SCPA 461, SCPA 465, or for this topic under a SCPA 498 number, may not take this course for credit.

SCPA 481 Settlement and Integration (3 credits)

Description:

This course examines the experiences of immigrants and refugees in Canada, focusing on the social, cultural and political processes of their integration and/or marginalization. In this context, it explores immigrant-based agencies and social movements, and equitable approaches to settlement services and community development to help newcomers adapt to their new environment. It also looks at integration outcomes of immigrants: employment, education, housing, participation.

Component(s):

"Lecture"

SCPA 482 Field Project in Immigration, Migration and Diversity (3 credits)

Prerequisite/Corequisite:

The following courses must be completed prior to enrolling: SCPA 212, SCPA 315. Enrolment in Certificate in Immigration Studies is required.

Description:

This course is a field project undertaken under the auspices of a non-profit organization working in the domain of immigration. Students in small groups are asked to work on a substantive project and/or program of significance to a community organization. The analysis provided by the students is shared with the organization enabling students to be directly involved and engaged in the field of immigration as practitioners.

Component(s):

"Lecture"

SCPA 498 Special Topics in Community, Public Affairs and Policy Studies (3 credits)

Prerequisite/Corequisite:

Successful completion of Stages I and II are required prior to enrolling. If prerequisites are not satisfied permission of the School is required.

Description:

This course provides focused, in-depth examination and analysis of a particular policy topic, public affairs issue, or problem of community development. The subject of inquiry changes every year.

Section 31.550 Science College

Science College

Minor in Multidisciplinary Studies in Science

Science College Courses

Science College

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/science-college.html

Objectives

The aim of the Science College is to provide students with hands-on training in the pursuit of science as well as critical reflection on the nature and role of science. The academic program of the College complements the regular undergraduate curriculum and includes cross-disciplinary courses and student participation in laboratory research activities from the first year on. The collegial atmosphere fosters interaction among students and between students and faculty.

In Science College, students gain an understanding of several areas of science, while specializing in whichever one they choose. Curricular structures frequently restrict students to a single discipline. To help counteract excessive specialization, the Science College has designed a series of courses to show what practising physicists think about physics; what mathematicians do when they are thinking mathematics: — not “an introduction to,” but “the state of the art.”

The College provides an opportunity for students to become acquainted with science as practised and understood by scientists today. Its curriculum is planned to fulfill the primary goals of the College — to provide an opportunity for experience in a research environment, for thinking broadly about science,and for becoming aware of the similarities and differences between the various scientific disciplines.

In Science College, students have the opportunity to work individually with active research scientists. This is achieved through a program of directed or independent study in each undergraduate year which enables them to undertake or participate in projects of discovery in a variety of different areas of scientific endeavour.

Students of the College are also invited to consider the nature of science. The College offers courses in the intellectual and social context of science. Designed specifically for College students, these courses raise questions of broad interest to scientists and presume an understanding of the subject matter of science itself.

Students are given the opportunity to consider the social and cultural framework of their science studies through a basic course in some aspect of humanistic studies.

Finally, students are also encouraged to appreciate the link between clarity of thought and clarity of expression, through the availability of tutorial assistance in the development of writing skills.

Facilities

The Science College provides a space for students to exchange across disciplinary boundaries, build community and interact with professors. It has quiet study, group work and lounge areas, a kitchen, computer facilities and a small library. The College provides opportunities for students to broaden their experience of science-related activities and hosts a variety of events in which students showcase their work and meet with scientists from different professional paths.

Requirements for Admission to Science College

The program of Science College is academically demanding, involving concentration in one discipline and a critical investigation of other aspects of science. The College is committed to serious academic work and high standards, and seeks to attract talented and enthusiastic students who are willing to work hard in a search for a deeper understanding of their subject.

Students must enrol in a science program that leads to a BSc degree in order to be part of Science College. Students registered for a BCompSc or a BA may be eligible as evaluated by the College.

In addition to the normal requirements for admission to the University's various programs, applicants are expected to have a good academic average. They are considered on the basis of their academic record, and a personal interview. Preference is given to students who show a disposition and an aptitude to benefit from the unique features of the sort of fundamental scientific education which the College offers. Applicants are encouraged to provide evidence of the range of their intellectual interests and of any creative activity in which they may have been involved. Students may apply for membership to the Science College at the time of their application to the University or as internal candidates.

Students must be prepared to attend courses that take place outside the normal University class schedule. The College is open to full-time students only.

Science College and Journalism

A limited number of students who have been admitted to the BA Major in Journalism program may be allowed to register in the Science College, with a view to combining a basic understanding of science with a training in journalism.

Performance Requirement

Students in the College must obtain a minimum grade of "B-" in all required courses in the Minor in Multidisciplinary Studies in Science, as well as in all courses counting toward their discipline-based honours, specialization, or major program. Students who receive a grade lower than "B-" must contact the College's academic advisor. Students are responsible for satisfying all the requirements for both the Minor in Multidisciplinary Studies in Science and their disciplinary program.

Further Information

Further information on the courses and activities of the Science College may be obtained either by writing or by telephoning the College office. Personal interviews with a fellow of the Science College may be arranged through the Science College office.

Science College Curriculum

The College offers a Minor in Multidisciplinary Studies in Science, consisting of a core of courses which is required of all students. This core consists of 30 of the 90 credits normally required for a BSc degree. These courses have been developed specifically for the College with the intention of providing a unique, integrated program of education in science.

Minor in Multidisciplinary Studies in Science

Program Requirements

Minor in Multidisciplinary Studies in Science (30 credits)

6 credits:

- SCOL 270 Historical, Philosophical, and Social Aspects of Science (6.00)

9 credits:

- SCOL 290 Directed and Independent Study I (3.00)
- SCOL 391 Directed and Independent Study II (6.00)

6 credits:

- SCOL 490 Directed and Independent Study III (6.00)

Note: After consultation with the College, SCOL 490 may be replaced by BIOL 490, CHEM 450, EXCI 426, PHYS 496, or PSYC 495.

9 credits chosen from:

- SCOL 350 Current Issues in Physical, Biological and Mathematical Sciences (3.00)
- SCOL 360 Topics for Multidisciplinary Study (3.00)
- LBCL 289 Foundations: Greek, Roman and Biblical Thought (3.00)
- LBCL 290 Foundations: Medieval and Early Modern Thought (3.00)
- LBCL 292 Modes of Expression and Interpretation I (6.00)

Note: SCOL 350 and SCOL 360 may be repeated twice for credit in this program, provided the subject matter is different each time. In special circumstances and with permission of the College, a repeat of these courses may be replaced by a science course outside the student's program.

Note: Students may take up to six credits from LBCL 289 and LBCL 290; or LBCL 292.

Notes

- In addition to completing the core curriculum, students are responsible for satisfying their degree requirements by completing a departmental honours, specialization, or major program leading to a BSc, BA, or BCompSc.

Science College Courses

Quick Links

Science College Courses

Science First-Year Experience Courses

Science College Courses

SCOL 270 Historical, Philosophical, and Social Aspects of Science (6 credits)

Prerequisite/Corequisite:

Membership in the Science College is required. If prerequisites are not satisfied, permission of the College is required.

Description:

This course discusses the intellectual framework of science and the relationships between science and society, and the political and philosophical questions inherent in the scientific process. Students are expected to understand the scientific issues at the level at which they were originally addressed.

Component(s):

"Lecture"; "Research"

SCOL 290 Directed and Independent Study I (3 credits)

Prerequisite/Corequisite:

Membership in the Science College is required. If prerequisites are not satisfied, permission of the College is required.

Description:

The student works under the supervision of a member of the Faculty on either a practical laboratory project or a literature study. A formal, written report is required.

Component(s):

"Independent Study"

SCOL 350 Current Issues in Physical, Biological and Mathematical Sciences (3 credits)

Prerequisite/Corequisite:

Membership in the Science College is required. If prerequisites are not satisfied, permission of the College is required.

Description:

This course is designed to help students understand the “state of the art” in fields of science in which they are not specializing. It discusses problems under current study, and attempts to identify possible future directions of research. The approach is qualitative. Detailed technical knowledge is not prerequisite. Specific topics for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Seminar"

Notes:

- This course may be repeated twice for credit in this program, provided the subject matter is different each time. In special circumstances and with permission of the College, a repeat of this course may be replaced by a science course at the 300 level or higher outside the student’s program.
- Students who have received credit for SCOL 351, 352, or 353 may not take this course for credit if the subject matter is the same.

SCOL 360 Topics for Multidisciplinary Study (3 credits)

Prerequisite/Corequisite:

Membership in the Science College is required. If prerequisites are not satisfied, permission of the College is required.

Description:

The purpose of this course is to introduce students to problems and areas of study which transcend traditional disciplinary barriers. A chosen area of investigation is treated from the viewpoint of various disciplines. Lectures from different areas may be used for this purpose. The aim is to show the contributions made by each field to the understanding of the problem, and how they complement each other. Specific topics for this course are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- This course may be repeated twice for credit in this program, provided the subject matter is different each time. In special circumstances and with permission of the College, a repeat of this course may be replaced by a science course at the 300 level or higher outside the student’s program.
- Students who have received credit for this topic under a SCOL 398 number may not take this course for credit.

SCOL 370 Selected Readings in Multidisciplinary Study (3 credits)

Prerequisite/Corequisite:

Membership in the Science College and/or permission of the College is required.

Description:

The purpose of this course is to introduce students to problems and areas of study which transcend traditional disciplinary barriers. A chosen area of investigation is treated from the viewpoint of various disciplines. Readings from different areas may be used for this purpose under guidance of one or more fellows of the College. The aim is to show the contributions made by each field to the understanding of the problem, and how they complement each other.

Component(s):

"Reading"

Notes:

- Students who have received credit for this topic under a SCOL 398 number may not take this course for credit.

SCOL 391 Directed and Independent Study II (6 credits)

Prerequisite/Corequisite:

Membership in the Science College is required. If prerequisites are not satisfied, permission of the College is required.

Description:

Students are encouraged to work in a field different from that of their SCOL 290 project.

Component(s):

"Independent Study"

Notes:

- Students who have received credit for SCOL 390 may not take this course for credit.

SCOL 398 Selected Topics in Multidisciplinary Studies (3 credits)

Prerequisite/Corequisite:

Membership in the Science College and/or permission of the College is required.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

SCOL 490 Directed and Independent Study III (6 credits)

Prerequisite/Corequisite:

Membership in the Science College is required. If prerequisites are not satisfied, permission of the College is required.

Description:

Students are encouraged to work in a field different from that of their SCOL 290 and SCOL 391 projects. Students complete a research project approved in advance by the College, under the supervision of a fellow of the College and/or a faculty member in a scientific discipline at Concordia or elsewhere.

Component(s):

"Independent Study"

Notes:

- Students may also choose to do the honours project and in addition a SCOL 490 project.

- After consultation with the Science College, students may register in BIOL 490, CHEM 450, EXCI 426, PHYS 496, or PSYC 495 and upon successful completion be exempted from SCOL 490.

Science First-Year Experience Courses

SFYX 201 Science First-Year Experience (3 credits)

Prerequisite/Corequisite:

Permission of the Science College is required.

Description:

This course introduces students to interdisciplinary thinking in the sciences, to hands-on experimentation and to an appreciation of the role of science in society. Students explore the scientific process from hypothesis to sampling to data analysis and interpretation, as an experiential learning activity in the area of environmental science. This can lead into deeper exploration of the scientific process for students who fit the eligibility criteria to join the Science College.

Component(s):

"Laboratory"; "Fieldwork"

Notes:

- Students who have received credit for this course under an INTE 298 number may not take this course for credit.

Section 31.560 Simone de Beauvoir Institute and Women's Studies

Simone de Beauvoir Institute and Women's Studies

Women's Studies and Interdisciplinary Studies in Sexuality Programs

Interdisciplinary Studies in Sexuality

- Interdisciplinary Studies in Sexuality Program Notes
- BA Major in Interdisciplinary Studies in Sexuality
- Minor in Interdisciplinary Studies in Sexuality

Women's Studies

- Women's Studies Program Notes
- BA Specialization in Women's Studies
- BA Major in Women's Studies
- Minor in Women's Studies
- Certificate in Women's Studies
- Optional Courses for Women's Studies

Women's Studies and Interdisciplinary Studies in Sexuality Courses

Simone de Beauvoir Institute and Women's Studies

Note

For the complete list of faculty members, please consult the Department website:

concordia.ca/artsci/sdbi.html

Objectives

The Simone de Beauvoir Institute leads research, teaching and thinking on women, gender, feminism, sexuality, race, class, oppression, disability, and social justice. The Institute approaches teaching and research in partnership with communities outside the university and puts the leading political, theoretical and methodological commitments that come from feminism into practice. The Institute develops teaching and research with a commitment to social justice and activism, including: intersectionality, feminism, anti-colonialism, anti-imperialism, anti-racism, anti-ableism, anti-capitalism, anti-authoritarian, anti-carcerality, anti-war and militarism, and transnational, ecological, pro-sex worker, sexual and gender diverse, and trans inclusive politics. The Institute centres on studying the social production of identities and differences by critically examining media representations, consumer cultures, cultural production, social movements, law, history, governance, public health and other related areas. Women's Studies and Interdisciplinary Studies in Sexuality are two programs that address several areas of knowledge, including social, political, and economic fields of study. Drawing on interdisciplinary and multidisciplinary theories and methods, students learn how to question the concepts and structures of knowledge and develop critical thinking, communication and collaboration, research, and other transferable skills.

Simone de Beauvoir Institute

Established in 1978 as a college at Concordia University, the Simone de Beauvoir Institute's mission is to provide a foundation in interdisciplinary teaching and research in Women's Studies. Simone de Beauvoir, a distinguished philosopher and feminist writer, authorized the Institute to use her name and continued to show great interest in its activities. In addition to helping develop the field of Women's Studies in Canada, the SdBI has also become a leader in sexuality research and teaching with the introduction of the Interdisciplinary Studies in Sexuality program in 2019.

All students registered in the Specialization in Women's Studies, Major in Women's Studies, Minor in Women's Studies, or Certificate in Women's Studies or the Major in Interdisciplinary Studies in Sexuality or Minor in Interdisciplinary Studies in Sexuality are members of the Institute. Other undergraduate students are welcome to become members if they undertake to complete nine credits of WSDB or SSDB courses.

The co-curricular life of the Institute is extremely important, and all members are expected to contribute to our activities. Exciting opportunities are available to organize workshops, colloquia, and debates on subjects that interest the members, as well as to collaborate with organizations outside the University on research projects and other joint initiatives.

Admission Requirements for the Simone de Beauvoir Institute

Students may apply simultaneously to Concordia University and the Simone de Beauvoir Institute by filling out and submitting the Concordia University Application for Admission with the box for "Colleges" checked and "Simone de Beauvoir Institute" written in the space provided. Further information about the Institute can be obtained by calling or visiting its offices or website at concordia.ca/artsci/sdbi.

Interdisciplinary Studies in Sexuality Program Notes

- The Major in Interdisciplinary Studies in Sexuality and Minor in Interdisciplinary Studies in Sexuality, offered jointly by the Faculty of Arts and Science and the Faculty of Fine Arts, draw their curriculum from a variety of disciplines. Their purpose is to investigate empirical, theoretical, and creative aspects of sexuality
- **Language/Langue:** Les règlements actuels permettent à toute étudiante et tout étudiant d'écrire ses devoirs ou examens en anglais ou en français dans tous les cours offerts, à l'exception des cours de langue. La langue d'enseignement sera normalement l'anglais. Non-francophone students may equally submit assignments in English in Français 451, 476, and 477, as long as they are taking the course for credit in Women's Studies or as an elective, and not as part of a program of the Département d'études françaises.

BA Major in Interdisciplinary Studies in Sexuality

Program Requirements

Major in Interdisciplinary Studies in Sexuality (42 credits)

12 credits:

- SSDB 220 Introduction to Theories of Sexuality (3.00)
- SSDB 275 Introduction to Sexuality Research (3.00)
- SSDB 390 Sexuality Theory in Historical Perspectives (3.00)
- SSDB 392 Advanced Sexuality Theory (3.00)

6 credits chosen from:

- FASS 393 Queer and Trans Studies and Culture (3.00)
- FFAR 291 HIV/AIDS in the 20th Century: Historical, Cultural and Interdisciplinary Perspectives (3.00)
- FFAR 292 Cultural Studies and Creation in HIV/AIDS (3.00)

6 credits chosen from one of the following streams:

Stream I: Interdisciplinary Studies in Sexuality Practicum

Stream II: Interdisciplinary Studies in Sexuality Advanced Coursework

18 credits chosen from the following courses, or other appropriate courses approved by the Institute:

- AHSC 312 Sexuality in Human Relations (3.00)
- ANTH 375 Social Construction of Sexualities (3.00)
- BIOL 200 Fundamentals of Human Biology (3.00)
- ENGL 393 Gender and Sexuality in Literary Studies (3.00)
- FASS 293 Sexual Representation in the Arts (3.00)
- FASS 298 Special Topics in Sexuality and the Arts (3.00)
- FASS 393 Queer and Trans Studies and Culture (3.00)
- FFAR 291 HIV/AIDS in the 20th Century: Historical, Cultural and Interdisciplinary Perspectives (3.00)
- FFAR 292 Cultural Studies and Creation in HIV/AIDS (3.00)
- FMST 391 Sexual Representation in Cinema (3.00)
- FMST 392 Queer/Trans Film and Media History (3.00)
- FMST 393 Queer/Trans Film and Media Analysis (3.00)
- HIST 346 Sexuality in History (3.00)

- RELI 380 Religion and Sexuality (3.00)
- SOCI 375 Social Construction of Sexualities (3.00)
- SSDB 425 Ethics in Community Engagement (3.00)
- SSDB 428 Independent Study (3.00)
- SSDB 492 Seminar in Advanced Topics in Sexuality I (3.00)
- SSDB 493 Seminar in Advanced Topics in Sexuality II (3.00)
- WSDB 383 Lesbian Issues and Realities (3.00)
- WSDB 384 Queer Feminism (3.00)
- WSDB 385 Introduction to Trans Studies (3.00)
- WSDB 386 Framing the Prostitute (3.00)
- WSDB 401 Ending Sexual Violence (3.00)

Note: The following courses are cross-listed:

ANTH 375 and SOCI 375

Stream I: Interdisciplinary Studies in Sexuality Practicum (6 credits)

6 credits:

- SSDB 425 Ethics in Community Engagement (3.00)
- SSDB 426 Practicum (3.00)

Stream II: Interdisciplinary Studies in Sexuality Advanced Coursework (6 credits)

6 credits chosen from:

- SSDB 428 Independent Study (3.00)
- SSDB 430 Kink (3.00)
- SSDB 492 Seminar in Advanced Topics in Sexuality I (3.00)
- SSDB 493 Seminar in Advanced Topics in Sexuality II (3.00)

Notes

- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.
- Students are responsible for satisfying their particular degree requirements.

Minor in Interdisciplinary Studies in Sexuality

Program Requirements

Minor in Interdisciplinary Studies in Sexuality (27 credits)

3 credits:

- SSDB 220 Introduction to Theories of Sexuality (3.00)

3 credits chosen from:

- SSDB 390 Sexuality Theory in Historical Perspectives (3.00)
- SSDB 392 Advanced Sexuality Theory (3.00)

21 credits chosen from the following courses, or other appropriate courses approved by the Institute:

- AHSC 312 Sexuality in Human Relations (3.00)
- ANTH 375 Social Construction of Sexualities (3.00)
- BIOL 200 Fundamentals of Human Biology (3.00)
- ENGL 393 Gender and Sexuality in Literary Studies (3.00)
- FASS 293 Sexual Representation in the Arts (3.00)
- FASS 298 Special Topics in Sexuality and the Arts (3.00)
- FASS 393 Queer and Trans Studies and Culture (3.00)
- FFAR 291 HIV/AIDS in the 20th Century: Historical, Cultural and Interdisciplinary Perspectives (3.00)
- FFAR 292 Cultural Studies and Creation in HIV/AIDS (3.00)
- FMST 391 Sexual Representation in Cinema (3.00)
- FMST 392 Queer/Trans Film and Media History (3.00)
- FMST 393 Queer/Trans Film and Media Analysis (3.00)
- HIST 346 Sexuality in History (3.00)
- RELI 380 Religion and Sexuality (3.00)
- SOCI 375 Social Construction of Sexualities (3.00)
- SSDB 275 Introduction to Sexuality Research (3.00)
- SSDB 390 Sexuality Theory in Historical Perspectives (3.00)
- SSDB 392 Advanced Sexuality Theory (3.00)
- SSDB 425 Ethics in Community Engagement (3.00)
- SSDB 428 Independent Study (3.00)

- SSDB 430 Kink (3.00)
- SSDB 492 Seminar in Advanced Topics in Sexuality I (3.00)
- SSDB 493 Seminar in Advanced Topics in Sexuality II (3.00)
- WSDB 383 Lesbian Issues and Realities (3.00)
- WSDB 384 Queer Feminism (3.00)
- WSDB 385 Introduction to Trans Studies (3.00)
- WSDB 386 Framing the Prostitute (3.00)
- WSDB 401 Ending Sexual Violence (3.00)
- WSDB 405 Feminist Leadership (3.00)

Note: The following courses are cross-listed:

ANTH 375 and SOCI 375

Notes

- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.

Women's Studies Program Notes

- Students should consult with the Women's Studies advisor prior to registering for Women's Studies courses.
- **Language/Langue:**Les règlements actuels permettent à toute étudiante et tout étudiant d'écrire ses devoirs ou examens en anglais ou en français dans tous les cours offerts, à l'exception des cours de langue. La langue d'enseignement sera normalement l'anglais. Non-francophone students may equally submit assignments in English in Français 451, 476, and 477, as long as they are taking the course for credit in Women's Studies or as an elective, and not as part of a program of the Département d'études françaises.

BA Specialization in Women's Studies

Program Requirements

Specialization in Women's Studies (60 credits)

24 credits:

- WSDB 290 Introduction to Historical Perspectives in Women's Studies (3.00)
- WSDB 291 Introduction to Contemporary Concerns in Women's Studies (3.00)
- WSDB 292 Feminisms and Research Methods (3.00)
- WSDB 380 Feminist Thought I (3.00)
- WSDB 480 Feminist Thought II (3.00)
- WSDB 490 Feminist Ethics (3.00)
- WSDB 496 Directed Research (6.00)

15 credits chosen from:

- WSDB 300 Feminist Perspectives on Human Rights (3.00)
- WSDB 301 Canada, Colonization and Law (3.00)
- WSDB 310 Feminism, Comedy, and Social Change (3.00)
- WSDB 383 Lesbian Issues and Realities (3.00)
- WSDB 384 Queer Feminism (3.00)
- WSDB 385 Introduction to Trans Studies (3.00)
- WSDB 390 Feminist Perspectives on Peace (3.00)
- WSDB 391 Health Issues: Feminist Perspectives (3.00)
- WSDB 392 Féminismes dans la francophonie (3.00)
- WSDB 393 Critical Race Feminisms (3.00)

6 credits chosen from:

- WSDB 400 Gender Justice in Canadian Law and Policy (3.00)
- WSDB 401 Ending Sexual Violence (3.00)
- WSDB 410 Feminisms, Tourism, and Mobilities (3.00)
- WSDB 491 Feminist Perspectives on Culture (3.00)
- WSDB 492 Post-colonial and Anti-colonial Feminist Theories and Practice (3.00)

15 credits chosen from the list of Optional Courses for Women's Studies

Notes

- To be admitted to the specialization, students must have completed a minimum of 24 credits of Women's Studies courses in the Women's Studies Major and obtain approval of a fulltime Women's Studies instructor following the submission of a detailed description of a proposed research project for the WSDB 496 course.
- In addition, students must have a minimum GPA of 3.0 to be accepted and must maintain an assessment GPA of 3.0 while in the specialization.
- Students are responsible for satisfying their particular degree requirements.

BA Major in Women's Studies

Program Requirements

Major in Women's Studies (42 credits)

18 credits:

- WSDB 290 Introduction to Historical Perspectives in Women's Studies (3.00)
- WSDB 291 Introduction to Contemporary Concerns in Women's Studies (3.00)
- WSDB 292 Feminisms and Research Methods (3.00)
- WSDB 380 Feminist Thought I (3.00)
- WSDB 480 Feminist Thought II (3.00)
- WSDB 490 Feminist Ethics (3.00)

9 credits chosen from:

- WSDB 300 Feminist Perspectives on Human Rights (3.00)
- WSDB 301 Canada, Colonization and Law (3.00)
- WSDB 310 Feminism, Comedy, and Social Change (3.00)
- WSDB 383 Lesbian Issues and Realities (3.00)
- WSDB 384 Queer Feminism (3.00)
- WSDB 385 Introduction to Trans Studies (3.00)
- WSDB 390 Feminist Perspectives on Peace (3.00)
- WSDB 391 Health Issues: Feminist Perspectives (3.00)
- WSDB 392 Féminismes dans la francophonie (3.00)
- WSDB 393 Critical Race Feminisms (3.00)

6 credits chosen from:

- WSDB 400 Gender Justice in Canadian Law and Policy (3.00)
- WSDB 401 Ending Sexual Violence (3.00)
- WSDB 405 Feminist Leadership (3.00)
- WSDB 410 Feminisms, Tourism, and Mobilities (3.00)
- WSDB 491 Feminist Perspectives on Culture (3.00)
- WSDB 492 Post-colonial and Anti-colonial Feminist Theories and Practice (3.00)

9 credits chosen from the list of Optional Courses for Women's Studies

Notes

- Students are responsible for satisfying their particular degree requirements.

Minor in Women's Studies

Program Requirements

Minor in Women's Studies (30 credits)

15 credits:

- WSDB 290 Introduction to Historical Perspectives in Women's Studies (3.00)
- WSDB 291 Introduction to Contemporary Concerns in Women's Studies (3.00)
- WSDB 292 Feminisms and Research Methods (3.00)
- WSDB 380 Feminist Thought I (3.00)
- WSDB 480 Feminist Thought II (3.00)

6 credits chosen from:

- WSDB 300 Feminist Perspectives on Human Rights (3.00)
- WSDB 301 Canada, Colonization and Law (3.00)
- WSDB 310 Feminism, Comedy, and Social Change (3.00)
- WSDB 383 Lesbian Issues and Realities (3.00)
- WSDB 384 Queer Feminism (3.00)
- WSDB 385 Introduction to Trans Studies (3.00)
- WSDB 390 Feminist Perspectives on Peace (3.00)
- WSDB 391 Health Issues: Feminist Perspectives (3.00)
- WSDB 392 Féminismes dans la francophonie (3.00)
- WSDB 393 Critical Race Feminisms (3.00)

3 credits chosen from:

- WSDB 400 Gender Justice in Canadian Law and Policy (3.00)
- WSDB 401 Ending Sexual Violence (3.00)
- WSDB 405 Feminist Leadership (3.00)
- WSDB 410 Feminisms, Tourism, and Mobilities (3.00)
- WSDB 490 Feminist Ethics (3.00)
- WSDB 491 Feminist Perspectives on Culture (3.00)
- WSDB 492 Post-colonial and Anti-colonial Feminist Theories and Practice (3.00)

6 credits chosen from the list of Optional Courses for Women's Studies

Notes

- Students are responsible for satisfying their particular degree requirements.

Certificate in Women's Studies

Program Requirements

Certificate in Women's Studies (30 credits)

9 credits:

- WSDB 290 Introduction to Historical Perspectives in Women's Studies (3.00)
- WSDB 291 Introduction to Contemporary Concerns in Women's Studies (3.00)
- WSDB 292 Feminisms and Research Methods (3.00)

9 credits chosen from:

- WSDB 300 Feminist Perspectives on Human Rights (3.00)
- WSDB 301 Canada, Colonization and Law (3.00)
- WSDB 310 Feminism, Comedy, and Social Change (3.00)
- WSDB 383 Lesbian Issues and Realities (3.00)
- WSDB 384 Queer Feminism (3.00)
- WSDB 385 Introduction to Trans Studies (3.00)
- WSDB 390 Feminist Perspectives on Peace (3.00)
- WSDB 391 Health Issues: Feminist Perspectives (3.00)
- WSDB 392 Féminismes dans la francophonie (3.00)
- WSDB 393 Critical Race Feminisms (3.00)

6 credits chosen from:

- WSDB 400 Gender Justice in Canadian Law and Policy (3.00)
- WSDB 401 Ending Sexual Violence (3.00)
- WSDB 405 Feminist Leadership (3.00)
- WSDB 410 Feminisms, Tourism, and Mobilities (3.00)
- WSDB 491 Feminist Perspectives on Culture (3.00)
- WSDB 492 Post-colonial and Anti-colonial Feminist Theories and Practice (3.00)

6 credits chosen from the list of Optional Courses for Women's Studies

Notes

- Students may transfer into the certificate program credits earned in an incomplete degree or certificate program or as an Independent student, provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program.
- Students are responsible for satisfying their particular program requirements.

Optional Courses for Women's Studies

Optional Courses for Women's Studies

Note: Students should consult the appropriate departments concerning possible prerequisites for the courses listed under Optional Courses.

- WSDB 298 Selected Topics in Women's Studies (3.00)
- WSDB 300 Feminist Perspectives on Human Rights (3.00)
- WSDB 301 Canada, Colonization and Law (3.00)
- WSDB 310 Feminism, Comedy, and Social Change (3.00)
- WSDB 365 Feminist Theory and Popular Culture (3.00)
- WSDB 370 Workshops in Special Areas of Women's Studies (3.00)
- WSDB 380 Feminist Thought I (3.00)
- WSDB 381 Indigenous Women and Feminisms (3.00)
- WSDB 383 Lesbian Issues and Realities (3.00)
- WSDB 384 Queer Feminism (3.00)
- WSDB 385 Introduction to Trans Studies (3.00)
- WSDB 386 Framing the Prostitute (3.00)
- WSDB 390 Feminist Perspectives on Peace (3.00)
- WSDB 391 Health Issues: Feminist Perspectives (3.00)
- WSDB 392 Féminismes dans la francophonie (3.00)
- WSDB 393 Critical Race Feminisms (3.00)
- WSDB 398 Selected Topics in Women's Studies (3.00)
- WSDB 400 Gender Justice in Canadian Law and Policy (3.00)
- WSDB 401 Ending Sexual Violence (3.00)
- WSDB 405 Feminist Leadership (3.00)
- WSDB 410 Feminisms, Tourism, and Mobilities (3.00)
- WSDB 480 Feminist Thought II (3.00)
- WSDB 490 Feminist Ethics (3.00)
- WSDB 491 Feminist Perspectives on Culture (3.00)
- WSDB 492 Post-colonial and Anti-colonial Feminist Theories and Practice (3.00)
- WSDB 498 Seminar in Women's Studies (3.00)
- WSDB 499 Seminar in Women's Studies (6.00)
- ANTH 276 Gender and Society (3.00)

- ARTH 381 Feminism and Art History (3.00)
- CLAS 353 Representations of Women in Ancient Greece and Rome (3.00)
- COMS 368 Media and Gender (3.00)
- COMS 472 Communication Technologies and Gender (3.00)
- EDUC 321 Gender Socialization in Education (3.00)
- ENGL 351 Women Writers of the 20th Century (3.00)
- ENGL 352 Contemporary Women Writers (3.00)
- ENGL 382 Literature of Migration and Diaspora (3.00)
- ENGL 393 Gender and Sexuality in Literary Studies (3.00)
- FFAR 292 Cultural Studies and Creation in HIV/AIDS (3.00)
- FMST 329 Women and Film (3.00)
- FMST 392 Queer/Trans Film and Media History (3.00)
- FMST 393 Queer/Trans Film and Media Analysis (3.00)
- HIST 305 Race and Gender in Canadian History (3.00)
- HIST 347 Gender and Sexuality in South Asia (3.00)
- PHIL 371 Philosophy of Feminism (3.00)
- PHIL 471 Advanced Topics in Feminist Theory (3.00)
- POLI 309 Women and Politics in Canada (3.00)
- RELI 381 Women, Gender, and Sexuality: Judaism (3.00)
- RELI 382 Women, Gender, and Sexuality: Christianity (3.00)
- RELI 383 Women, Gender, and Sexuality: Islam (3.00)
- RELI 386 Witchcraft, Magic and Religion (3.00)
- RELI 387 Goddesses and Religious Images of Women (3.00)
- RELI 392 Women in Jewish History (3.00)
- SCPA 352 Community and Local Activism (3.00)
- SOCI 276 Gender and Society (3.00)
- SOCI 380 Contemporary Issues in Human Rights (3.00)
- SOCI 475 Men and Masculinities (3.00)
- SOCI 476 Contemporary Feminist Thought (3.00)
- SOCI 478 Motherhood and Childlessness (3.00)
- SSDB 275 Introduction to Sexuality Research (3.00)
- THEO 295 Theology and Women (3.00)

Women's Studies and Interdisciplinary Studies in Sexuality Courses

Quick Links

Interdisciplinary Studies in Sexuality Courses

Women's Studies Courses

Interdisciplinary Studies in Sexuality Courses

SSDB 220 Introduction to Theories of Sexuality (3 credits)

Description:

This course is a multidisciplinary introduction to the central problems in the study of sexuality. The development over the last century of such key concepts as gender, identity, sex role, sexual orientation, sexual liberation, heterosexuality, and feminist, queer, and intersectional theory are examined. The course surveys theories of sexuality as they are conceived in scientific and cultural discourses with attention to areas of overlap and difference.

Component(s):

"Lecture"

SSDB 275 Introduction to Sexuality Research (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major or Minor in Interdisciplinary Studies in Sexuality is required. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course surveys interdisciplinary approaches to research in sexuality within the humanities, arts and social sciences. The course considers different research methodologies in sexuality research, with opportunities to apply multiple methods.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FASS 291 or INTE 275 may not take this course for credit.

SSDB 390 Sexuality Theory in Historical Perspectives (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SSDB 220 or SSDB 275. Students must complete 30 university credits prior to enrolling.

Description:

This course introduces students to theoretical thinking on sexuality in historical perspectives, prior to the 1980s. This course may focus on ideas about sexuality within a specific period or area in history to investigate how sexuality was conceptualized, understood, and treated. The course takes both disciplinary and interdisciplinary approaches to consider how theoretical frameworks on sexuality are embedded in social and colonial relations. The course prepares students to understand how modern ideas of sexuality have been shaped by knowledge that is historically constituted.

Component(s):

"Seminar"

SSDB 392 Advanced Sexuality Theory (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SSDB 220 or SSDB 275. Students must complete 30 university credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course examines advanced theoretical concepts and texts in contemporary queer theory, trans theory, and sexuality studies. The course focuses on texts published after 1980 and examines contemporary theories relating to sexuality and gender, which may include asexuality, crip theory, heteronormativity, homonationalism, neoliberalism, normalization, queer of colour critique, trans necropolitics, and other emergent theories in the field.

Component(s):

"Seminar"

Notes:

- Students who have received credit for FASS 392 may not take this course for credit.

SSDB 425 Ethics in Community Engagement (3 credits)

Prerequisite/Corequisite:

Students must complete 30 university credits prior to enrolling. Enrolment in the Major or Minor in Interdisciplinary Studies in Sexuality is required. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course examines the ethics, practices, and processes of working within and alongside of communities. Examining both theoretical and practical texts, case studies, and site-visits in the area of feminism and sexuality, the course prepares students to enter into the Practicum experience.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under SSDB 493 may not take this course for credit.

SSDB 426 Practicum (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SSDB 425. Students must complete 60 university credits prior to enrolling. Enrolment in the Major in Interdisciplinary Studies in Sexuality is required. Permission of the Institute is required.

Description:

This course offers a 100-hour field experience over the course of one semester. The course involves a fieldwork project.

Component(s):

"Practicum/Internship/Work Term"

SSDB 428 Independent Study (3 credits)

Prerequisite/Corequisite:

Students must complete 60 university credits prior to enrolling. Enrolment in the Major or Minor in Interdisciplinary Studies in Sexuality. Permission of the Institute is required.

Description:

This course provides the opportunity for an independent study in which the student may explore, from a feminist and intersectional perspective, a specific topic within the interdisciplinary field of sexuality.

SSDB 430 Kink (3 credits)

Prerequisite/Corequisite:

Students must complete 30 university credits prior to enrolling. Enrolment in the Major or Minor in Interdisciplinary Studies in Sexuality or Major, Minor, Certificate, or Specialization in Women's Studies is required. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course examines non-normative desires and practices, while focusing on BDSM and its relationship to race, capitalism, history, agency, and healing. The course focuses on the study of theoretical, literary, and artistic perspectives on bondage and discipline, domination and submission, sadism and masochism, as well as other kinks, in ways that seek to illuminate the complexities, limitations, and possibilities these practices offer.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a SSDB 492 or SSDB 493 number may not take this course for credit.

SSDB 492 Seminar in Advanced Topics in Sexuality I (3 credits)

Prerequisite/Corequisite:

Students must complete 30 university credits prior to enrolling. Enrolment in the Major or Minor in Interdisciplinary Studies in Sexuality is required. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This seminar is designed to provide a setting for concentrated learning and an opportunity for advanced feminist and intersectional study on a research topic in sexuality.

Component(s):

"Seminar"

SSDB 493 Seminar in Advanced Topics in Sexuality II (3 credits)

Prerequisite/Corequisite:

Students must complete 30 university credits prior to enrolling. Enrolment in the Major or Minor in Interdisciplinary Studies in Sexuality is required. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This seminar is designed to provide a setting for concentrated learning and an opportunity for advanced feminist and intersectional study on a research topic in sexuality.

Component(s):

"Seminar"

Women's Studies Courses

WSDB 290 Introduction to Historical Perspectives in Women's Studies (3 credits)

Description:

This course provides an introduction to theories and writing that affect the lives of women. Through the writing of feminist authors, students examine, from mainly the 20th century, the development of feminist theories and debate. Specific authors may include Simone de Beauvoir, Audre Lorde, Gloria Anzaldua, Angela Davis, Adrienne Rich, Monique Wittig, and Chandra Mohanty.

Component(s):

"Lecture"

WSDB 291 Introduction to Contemporary Concerns in Women's Studies (3 credits)

Description:

This course explores a range of current issues and debates within feminism. Using interdisciplinary feminist theories that consider how systems of power such as patriarchy, capitalism, racism, and heterosexism constitute one another, it examines

particular local and global topics of interest/concern which may include health, education, work, violence against women, globalization, militarism, media and cultural representations, families, and feminist activism.

Component(s):

"Lecture"

Notes:

- Students who have received credit for WSDZ 291 may not take this course for credit.

WSDB 292 Feminisms and Research Methods (3 credits)

Prerequisite/Corequisite:

Enrolment in a Women's Studies program is required. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course exposes students to a variety of research practices from a feminist perspective. These practices can include oral history, interviews, archival research, and participant observation. Students learn how to gather, analyze, and effectively present ideas and information. Practical, hands-on exercises offer an opportunity for learning. Examination of research methods occurs in dialogue with questions of how knowledge is organized. Students are also exposed to recent developments in information literacy. This course prepares students to conduct their own research projects throughout their studies.

Component(s):

"Lecture"

WSDB 298 Selected Topics in Women's Studies (3 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

WSDB 300 Feminist Perspectives on Human Rights (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

During the late-20th century, human rights became a dominant frame for thinking about social justice. This course questions the role of human rights in struggles for justice, and it examines and critiques practical forms of human rights activism. Primary texts are studied and scholarship from women's studies, history, political science, and anthropology.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 398 number may not take this course for credit.

WSDB 301 Canada, Colonization and Law (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

Spanning federal, provincial, and international processes, this course explores the legal, political, and social bases for Canada's account of itself as a sovereign country existing on Indigenous territories. The course considers the role of ideas about gender, race, and marriage in settler expansion and Indigenous dispossession. Students study primary texts and scholarship from women's studies, Indigenous studies, history, political science, and law.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 398 number may not take this course for credit.

WSDB 310 Feminism, Comedy, and Social Change (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

In this course, students examine the complex relationship between feminism and comedy through an interdisciplinary framework. The course posits comedic performance as a social/cultural text and considers how comedy might be used to challenge inequalities and promote social change. Topics may include the production and consumption of various genres of comedy; different theories of humour; the connections between comedic performances and key feminist principles; and how social and political issues can be addressed through comedy.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 398 number may not take this course for credit.

WSDB 365 Feminist Theory and Popular Culture (3 credits)

Description:

This course examines how feminism has not only commented on the world of pop culture but has entered and altered it. Through a study of television, film, advertising, pop music, cyber culture, and kiddie culture, students look at the ways in which popular culture has impacted how women view themselves and how they are viewed.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 398 number may not take this course for credit.

WSDB 370 Workshops in Special Areas of Women's Studies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

The purpose of these workshops is to examine a number of issues relevant to Women's Studies. Specific topics for this course are stated in the Undergraduate Class Schedule.

WSDB 380 Feminist Thought I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course introduces students to the main aspects of feminist thought across the disciplines. Through a selection of readings and case studies, feminist thought is examined in two interrelated senses: the exercise of woman- centred inquiry, and feminism as a critique of existing knowledge frameworks. Students are introduced to fundamental feminist notions such as the distinction between the private and the public, the notion of experience, androcentrism, and the division between the family and the economy. The history of feminist thought is explored as well as its articulation since the 1970s and its contribution to Women's Studies and to social theory in general. Also examined is the potential and power of different feminist theories to effect social change and transform the social world they analyze.

Component(s):

"Seminar"

WSDB 381 Indigenous Women and Feminisms (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course aims to acquaint students with the concerns and contemporary realities of Indigenous women in North America. It examines Indigenous politics, activism, and culture through current feminist, decolonizing and post-colonial lenses. The course examines issues such as identity, representation, citizenship, land, sovereignty, nationalism, sexual and social violence, and de/re/colonization. Students develop critical thinking skills necessary to explore how sexism and racism are

encoded in Canadian institutions and laws, how Indigenous women have engaged with the resulting disenfranchisement, and how they have been leading actors in Indigenous struggles, making significant contributions to their communities and nations.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 398 number may not take this course for credit.

WSDB 383 Lesbian Issues and Realities (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course introduces the field of lesbian studies and examines lesbian existence from a political and empirical perspective. The course engages diverse feminist perspectives on gender, nation, race, class, culture, ability and sexual identity in the lives and political consciousness of lesbians. Attention is paid to Canadian and Quebec contexts.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 398 number may not take this course for credit.

WSDB 384 Queer Feminism (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course introduces the critical and discursive legacies of “queer feminism,” engaging with a host of identities, bodies, practices and pleasures. The course interrogates the ways in which gender and sexuality intersect with nation, race, class, culture and ability from the point of view of political action and cultural production. Attention is paid to Canadian and Quebec contexts.

Component(s):

"Seminar"

WSDB 385 Introduction to Trans Studies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

The first part of the course reviews the emergence of Trans Studies: what came before it and what distinguished it from other forms of knowledge about trans people. Also reviewed is Trans Studies' theoretical and methodological heritage, including the ways in which Feminism and Queer Theory have shaped the field's interests. The second part of the course evaluates Trans Studies in action by looking at selected aspects of some trans people's lives: their history, community building, access to health care and social services, criminalization, and self-narration.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 398 number may not take this course for credit.

WSDB 386 Framing the Prostitute (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

The "problem" of prostitution — specifically the public/visible presence of women providing sexual services to men for money — has long preoccupied Western society. This course explores the frames superimposed on prostitution, regardless of the cultural, religious, scientific, geographic or political context in which it exists.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 398 number may not take this course for credit.

WSDB 390 Feminist Perspectives on Peace (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

Using feminist scholarship, this course covers themes such as militarism, the war industry, women in the military, war mythologies, organized and domestic violence, roles played by women during wars, wars against women, peace education and feminist peace activism.

Component(s):

"Seminar"

WSDB 391 Health Issues: Feminist Perspectives (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course presents feminist, intersectional, postcolonialist, poststructuralist and queer examinations of a variety of women's health issues. It explores the complex cultural politics that tend to legitimize existing power relations in health care, health research, and "health" industries. Topics include biopolitics and surveillance of women's bodies, medicalization and disease mongering, patriarchal capitalism and the health industry, cosmetic surgery and oppression or agency, women's health and sociocultural identifications, feminist medical ethics, and alternative and feminist health care.

Component(s):

"Seminar"

WSDB 392 Féminismes dans la francophonie (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

A partir de textes théoriques et d'ouvrages traitant de la vie quotidienne, ce cours examine les similitudes, les analogies et les traits distinctifs des luttes des femmes durant les deux dernières décennies, ici et ailleurs dans la francophonie, notamment les luttes des Arabes, des Antillaises ou des femmes d'Afrique noire.

Component(s):

"Seminar"

WSDB 393 Critical Race Feminisms (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292. Students must complete 15 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course explores the concepts of race, racism, and racialization, alongside feminist theories and practices. Drawing from feminist and critical race theories, the course focuses on questions of power, knowledge production, and interlocking systems of oppression within local and global contemporary contexts. It provides opportunities to reflect upon anti-racist feminist practice and to apply anti-racist analyses.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 398 number may not take this course for credit.

WSDB 394 Tutorial in Women's Studies (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292 and WSDB 380. Students must complete 24 credits in their degree program prior to enrolling. Enrolment in a Women's Studies program is required. Students must have a minimum GPA of 3.0 (B) and a demonstrated ability to carry out independent research. Permission of the Institute is required.

Description:

Tutorials are given only in exceptional circumstances and should focus on a topic not covered under the normal curriculum. A Tutorial Request form must be completed by the student and then approved by a full-time Simone de Beauvoir Institute faculty member acting as a supervisor.

Component(s):

"Tutorial"

Notes:

- Students who have received credit for this topic under a WSDB 398 or WSDB 498 number may not take this course for credit.

WSDB 398 Selected Topics in Women's Studies (3 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

WSDB 399 Selected Topics in Women's Studies (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

WSDB 400 Gender Justice in Canadian Law and Policy (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292 and WSDB 380. Students must complete 30 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course examines the relationship between law and feminist thought and action in the 20th and 21st centuries. The course confronts the reality that the law underpins a world shot through with injustice, yet those seeking justice often turn to

law to remedy that injustice. The course explores how structures of domination underpin the law and how law creates and perpetuates structures of domination. Students read statutes and legal cases and scholarship from law, political science, women's studies, and history.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 498 number may not take this course for credit.

WSDB 401 Ending Sexual Violence (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292, WSDB 380. Students must complete 30 credits prior to enrolling. If the prerequisites are not satisfied, permission of the Institute is required.

Description:

This course examines approaches to ending sexual violence from a feminist and abolitionist framework. Students consider the roles of state institutions, such as the criminal justice system, prisons, and policing, to critically interrogate how sexual violence is perpetuated. Course readings and assignments focus on community-based models for ending sexual violence, such as community accountability, abolition movements, and transformative justice.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 498 number may not take this course for credit.

WSDB 405 Feminist Leadership (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 380 or SSDB 390; and SSDB 392. Students must complete 30 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This course provides students with core skills and training in feminist leadership. The course bridges theoretical frameworks of intersectional and anti-racist feminism to skills needed to realize healthier and more equitable workplace and organizational environments. The course creates opportunities to develop and refine skills in consultative processes, collaborative visioning and goal setting, active listening and feedback, problem-solving, and conflict resolution skills.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 498 number may not take this course for credit.

WSDB 410 Feminisms, Tourism, and Mobilities (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292 and WSDB 380. Students must complete 30 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This advanced-level seminar explores gender, race, citizenship, class and sexuality as they manifest in various forms of contemporary tourism. This course, primarily concerned with issues of power, explores an interdisciplinary theoretical framework that privileges feminist transnational/postcolonial and critical race approaches. Some of the issues explored through this course include who can freely, safely and easily cross borders as well as the impacts of tourist consumption. Other themes may include the marketing and commodification of destinations and the interpersonal social encounters that tourism and travel enable.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a WSDB 398 number may not take this course for credit.

WSDB 480 Feminist Thought II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 291 and WSDB 380. Students must complete 30 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

While Feminist Thought I examines feminism as critique of theory in various historical and disciplinary topics, this course looks closely at the different feminist theories of the social world. The course considers fundamental concepts of Marxist feminism, post-structuralist feminist theory, feminist critical theory, and post-colonialist feminisms. Students learn how to summarize these different theoretical approaches, as well as how to think about them in a comparative manner.

Component(s):

"Seminar"

WSDB 490 Feminist Ethics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292 and WSDB 380. Students must complete 30 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This interdisciplinary seminar considers the effect of systems of gender, race, and class on women's place in society. It takes into account recent developments in feminist scholarship in the humanities and social sciences.

Component(s):

"Seminar"

WSDB 491 Feminist Perspectives on Culture (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292 and WSDB 380. Students must complete 30 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

This seminar explores the central concepts and theories in feminist cultural studies, as they inform feminist, post-colonial, queer, and post-structuralist understandings of culture. The focus is on women as cultural producers and subjects in/of various cultural texts (e.g. cinema, visual arts, music, advertising, popular media, feminist writings). The discursive construction of gender, as it is inflected by class, race, sexuality, and location, is examined as well as the ways in which it is used, displayed, imagined and performed in contemporary culture. Students develop practical and analytical skills, posing questions of how particular cultural narratives function within social, political and economic contexts. Students are required to participate in and lead discussions of the readings and to create and/or critique cultural productions.

Component(s):

"Seminar"

WSDB 492 Post-colonial and Anti-colonial Feminist Theories and Practice (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292 and WSDB 380. Students must complete 30 credits prior to enrolling. If prerequisites are not satisfied, permission of the Institute is required.

Description:

The course is devoted to understanding the gendered dimensions of colonial/imperial relations of power and resistance both in historical and contemporary contexts. The main themes covered in the course include settler colonialism in Canada; knowledge, representations and power; contemporary challenges and resistance to anti-imperialist struggles; and post-colonial analyses of current economic and political relations.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under WSDB 498 may not take this course for credit.

WSDB 494 Advanced Tutorial in Women's Studies (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: WSDB 290, WSDB 291, WSDB 292 and WSDB 380. Students must complete 24 credits prior to enrolling. Enrolment in a Women's Studies program is required. Students must have a minimum GPA of 3.0 (B) and a demonstrated ability to carry out independent research. Permission of the Institute is required.

Description:

Tutorials are given only in exceptional circumstances and should consist of a topic not covered under the normal curriculum. A Tutorial Request form must be completed by the student and then approved by a full-time Simone de Beauvoir Institute faculty member acting as a supervisor.

Component(s):

"Tutorial"

Notes:

- Students who have received credit for this topic under a WSDB 398 or WSDB 498 number may not take this course for credit.

WSDB 496 Directed Research (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: WSDB 290, WSDB 291, WSDB 292, WSDB 380 and WSDB 480. Enrolment in the Specialization in Women's Studies. Students must complete 30 credits prior to enrolling. Permission of the instructor is required.

Description:

This course is designed for advanced students and is generally only available to students in their final 24 to 30 credits. Students are expected to produce a substantial research project and are supervised by full-time faculty.

Component(s):

"Research"

WSDB 498 Seminar in Women's Studies (3 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Seminar"

WSDB 499 Seminar in Women's Studies (6 credits)

Description:

Specific topics for these courses, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Seminar"

Section 61 John Molson School of Business

John Molson School of Business

- Section 61.10 John Molson School of Business
- Section 61.20 Admission Requirements
- Section 61.21 Undergraduate Degree Programs
- Section 61.22 The JMSB Core
- Section 61.22.1 Academic Performance Regulations
- Section 61.22.2 Registration Regulations
- Section 61.25 Co-operative Education in the John Molson School of Business
- Section 61.30 General Information
- Section 61.35 John Molson School of Business Courses
- Section 61.40 Department of Accountancy
- Section 61.50 Department of Supply Chain and Business Technology Management
- Section 61.60 Economics
- Section 61.70 Department of Finance
- Section 61.80 International Business
- Section 61.90 Department of Management
- Section 61.100 Department of Marketing
- Section 61.130 Additional Program Options for Business Students
- Section 61.140 Program Options for Non-Business Students
- Section 61.150 Special Certificate Programs
- Section 61.160 Special Programs in Accountancy

Section 61.10 John Molson School of Business

concordia.ca/jmsb.html

Mission Statement

"To provide an engaging learning and research environment that empowers us to achieve our greatest potential for the betterment of business and society."

Approved by Faculty Council • May 2019

Section 61.20 Admission Requirements

The general requirements for admission to Concordia University are listed in Section 13 Admission Regulations.

Note: Because of the extensive use of computers in various programs, students are advised to have access to a personal computer.

Quick Links

- Cegep Entrance — the 90-credit program
- Mature Entry — the 108-credit program
- Extended Credit Program — the 120-credit program
- Kaié:ri Nikawerá:ke Indigenous Bridging Program for BComm

Cegep Entrance — the 90-credit program

The prerequisites for the 90-credit program are as follows:

Subject	Concordia Courses
Calculus I	MATH 209
Linear Algebra	MATH 208
Micro, Macro Economics	ECON 201, ECON 203

Note: Equivalencies will be determined at the time of acceptance.

Students with a DEC will complete the 90-credit program. Students who have a complete DEC but are lacking one or more of the prerequisite courses may take them within the 90-credit program as elective credits during the first year of the program.

Alternative Entry Programs

Mature Entry — the 108-credit program

In addition to the 90-credit program, Mature Entry students will be required to complete the following 18 credits:

6 credits:

- MATH 208 Fundamental Mathematics I (3.00)
- MATH 209 Fundamental Mathematics II (3.00)

6 credits:

- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)

6 credits chosen from elective courses outside the offerings of the John Molson School of Business.

Extended Credit Program — the 120-credit program (30 credits)

In addition to the 90-credit program, students in the Extended Credit Program will be required to complete the following 30 credits:

6 credits:

- MATH 208 Fundamental Mathematics I (3.00)
- MATH 209 Fundamental Mathematics II (3.00)

6 credits:

- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)

3 credits chosen from:

- ENGL 210 Introduction to Essay Writing (3.00)
- ENGL 212 English Composition — Stage I (3.00)

15 credits chosen from elective courses outside the offerings of the John Molson School of Business.

Kaié:ri Nikawerá:ke Indigenous Bridging Program

The Kaié:ri Nikawerá:ke Indigenous Bridging Program is offered to eligible Indigenous students, specifically First Nations, Métis and Inuit peoples whose communities are located in Canada, who do not meet the normal admission requirements. Students will acquire the prerequisite courses and skills in order to access and transition into the undergraduate program of their choice at Concordia University. For the admissions criteria, please see Section 14.5 Admission as a Kaié:ri Nikawerá:ke Indigenous Bridging Program Student.

Please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program website for more information:

concordia.ca/academics/undergraduate/indigenous-bridging-bcomm

Bridging Program Requirements

Students should follow the course sequence outlined below. Failure to do so may result in difficulty transitioning into the undergraduate program of choice (BComm). Upon successfully completing the bridging program, students will transition into the Extended Credit BComm program (120 credits) and must fulfill its requirements to graduate.

Kaié:ri Nikawerá:ke Indigenous Bridging Program for BComm (18 credits)

This program is composed of 18 academic credits and 6 Complementary University Credits (CUC)

6 Complementary University Credits (CUC):

- KNBP 200 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar I (1.50)
- KNBP 201 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar II (1.50)
- UNSS 200 Self-Management Strategies (1.50)
- UNSS 201 Successful Study Strategies (1.50)

6 credits as determined by the student's last level of mathematics:

- MATH 206 Algebra and Functions (3.00)
- MATH 208 Fundamental Mathematics I (3.00)

Note: Students who are exempt from MATH 206 must take MATH 208 and MATH 209.

3 credits:

- ENGL 210 Introduction to Essay Writing (3.00)

3 credits:

- ECON 203 Introduction to Macroeconomics (3.00)

Note: Students who are exempt from ECON 203 must take ECON 201.

6 credits chosen from elective courses outside the offerings of the John Molson School of Business

Note: The following courses cannot be used for credit in any undergraduate degree, Certificate or Microprogram: KNBP 200, KNBP 201, UNSS 200, UNSS 201.

Section 61.21 Undergraduate Degree Programs

Undergraduate Degree Programs

The John Molson School of Business offers two distinct undergraduate programs. The Bachelor of/Baccalaureate in Commerce (BComm) is a structured program in which the student will select a major from those offered by the School of Business. The Bachelor of/Baccalaureate in Administration (BAdmin) is a flexible program which permits the student to pursue interests outside the School of Business, and offers the possibility of complementing a fundamental grounding in Administration with minor concentrations in an area of interest. Degree requirements listed below apply to all students entering the program on or after September 1, 2023.

Section 61.21.1 General Education Requirement

The John Molson School of Business is committed to the concept of General Education. Students graduating from the Business programs will have acquired the benefits of a general education through the six elective non-Business credits they are required to complete.

Section 61.21.2 The Bachelor of/Baccalaureate in Commerce

The program provides the student with an education for careers in business. This is accomplished through an interdisciplinary curriculum that is intellectually challenging. The first year of the program provides knowledge of fundamental business concepts and operational skills that form the base for the core curriculum. The second year of the program builds on this foundation to provide a broad experience in all phases of business. The interdisciplinary nature of the program allows students to analyze, formulate, judge, and solve challenging business problems. The last year of the program provides students with an opportunity for in-depth study of a specific business discipline. More specifically, by the end of their BComm studies, students will:

1. Apply evidence-based approach(es) to decision making
2. Communicate effectively, both orally and in writing
3. Interact with others effectively, in accordance with principles of organizational behaviour
4. Make ethical and responsible decisions considering people, environment, society and legal obligations
5. Develop an entrepreneurial business idea
6. Explain the role of innovation and apply innovative methods in an organization
7. Analyze global factors and their impact on organizations

As part of the Bachelor of/Baccalaureate in Commerce program, students will select six credits of elective courses outside the offerings of the School. Those credits, which will meet the School's General Education requirement, should be chosen in areas that complement the students' overall university education.

Degree Requirements

Bachelor of/Baccalaureate in Commerce (BComm) (90 credits)

48 credits from the JMSB Core

6 elective credits chosen from outside the John Molson School of Business

24 credits from the declared major (mandatory for all students), chosen from the following:

Major in Accountancy;

Major in Business Analytics;

Major in Business Technology Management;

Major in Economics;

Major in Finance;

Major in Human Resource Management;

Major in International Business;

Major in Management;

Major in Marketing;

Major in Supply Chain Operations Management.

12 elective credits

Notes

- All students are required to declare a major.
- Students may add a second major in another business field. Please see the Bachelor of/Baccalaureate in Commerce (BComm) Double Major for the detailed requirements.
- For the BComm and BAdmin programs, a maximum of nine credits in English as a Second Language (ESL) Courses may count toward the regular 90credit degree, a maximum of 12 credits may count toward Mature Entry — the 108-credit program, and a maximum of 15 credits may count toward the Extended Credit Program — the 120-credit program if the student is required to complete ESL courses. For students who are not required to complete ESL courses a maximum of six ESL credits may count towards their degree. Additional credits in ESL courses will be considered as credits completed above and beyond the degree requirements.
- The John Molson School of Business may impose quotas on some majors.

Bachelor of/Baccalaureate in Commerce (BComm) Double Major (102 credits)

A double major requires completion of 102 credits as follows:

48 credits from the JMSB Core

6 elective credits chosen from outside the John Molson School of Business

48 credits chosen from two of the following majors, with 24 credits to apply towards the first major, and 24 credits to apply towards the second major:

Major in Accountancy;

Major in Business Analytics;

Major in Business Technology Management;

Major in Economics;

Major in Finance;

Major in Human Resource Management;

Major in International Business;

Major in Management;

Major in Marketing;

Major in Supply Chain Operations Management.

Notes

- For the BComm and BAdmin programs, a maximum of nine credits of English as a Second Language (ESL) Courses may count toward the regular 90credit degree, a maximum of 12 credits may count toward Mature Entry — the 108-credit program, and a maximum of 15 credits may count toward the Extended Credit Program — the 120-credit program if the student is required to complete ESL courses. For students who are not required to complete ESL courses a maximum of six ESL credits may count towards their degree. Additional credits in ESL courses will be considered as credits completed above and beyond the degree requirements.
- Minors in the JMSB are not available with a double major.
- The John Molson School of Business may impose quotas on some majors.

Honours Programs

The John Molson School of Business has programs leading to an honours concentration in selected fields. The honours program consists of a minimum of 30 credits taken in a specified field, in addition to the core program of 48 credits. Refer to Section 16.2.4 Concentration Requirements for matters governing honours programs at Concordia. An honours degree, because it testifies to a student's comprehensive education in a particular field, intellectual commitment to that field, and achievement of a high level of academic performance, has traditionally been required of entrants to postgraduate programs.

To enter an honours program, students already admitted to a program in the John Molson School of Business must apply to the department that offers the program. The department will notify the Office of the Associate Dean, Academic and Student Affairs, of the acceptance.

Honours Regulations (Faculty Regulations)

In order to qualify for an honours program, a student must comply with the regulations set forth below.

1. An honours student must meet the general program requirements, as well as the specific requirements for an honours program. Departments may impose additional requirements. A student must complete a minimum of 15 credits in the courses from the honours component of the program at this University to receive a degree with honours. In certain cases, these 15 credits may include specific courses for which transfer credit may not be awarded.
2. Students already admitted to a program at Concordia University may apply for entry into an honours program with a minimum cumulative GPA of 3.30 (B+). Students must have completed a minimum of 12 credits in their program before applying for admission to the honours program. Averages are calculated on Concordia courses only.
3. All students must maintain a minimum cumulative GPA of 3.30 as well as a minimum assessment GPA of 3.30 within the honours program. The minimum acceptable grade in any course is normally "C."
4. Students who are withdrawn from the honours program may proceed in the corresponding major program. Reinstatement in the honours program is possible only by appeal to the Faculty Honours Committee.

5. A student is allowed to qualify for only one honours degree in either a single or combined honours program. A student may qualify for a minor or major program in addition to an honours program.

Students may appeal the determination of their status or interpretation of requirements in the honours program. Such appeals should be addressed to the Associate Dean, Academic and Student Affairs. The John Molson School of Business has an Honours Committee made up as follows: three faculty members; one undergraduate student member; one Student Academic Services advisor (nonvoting); one representative of the Office of the Registrar (nonvoting); and the Associate Dean, Academic and Student Affairs, who chairs the Honours Committee. The Faculty Honours Committee considers applications from departments submitted on behalf of the students for exceptions to the honours regulations. It also adjudicates disputes between students and departments concerning honours programs. Since the Faculty Honours Committee cannot hear appeals contesting its own judgments, students and departments who wish to appeal a decision of the Faculty Honours Committee should address this appeal to the Dean of the Faculty.

Section 61.21.3 The Bachelor of/Baccalaureate in Administration

Program Objectives

Note: Admission to the BAdmin program is suspended.

The aim of the Bachelor of/Baccalaureate in Administration (BAdmin) program is to develop capable problemsolvers and decisionmakers. The program provides students with a fundamental grounding in administration through the same set of core courses available to BComm students. Furthermore, students have the opportunity to pursue a wide range of interests amongst the various courses offered by the University. BAdmin students are expected to achieve the same learning goals as BComm students by the end of their BAdmin studies.

Degree Requirements

Bachelor of/Baccalaureate in Administration (BAdmin) (90 credits)

42 credits from the JMSB Core

18 credits from within the John Molson School of Business and/or its disciplines

30 elective credits chosen by the student, but outside the John Molson School of Business, 15 of these must be beyond the introductory level.

Notes

- For the BComm and BAdmin programs, a maximum of nine credits of English as a Second Language (ESL) Courses may count toward the regular 90-credit degree, a maximum of 12 credits may count toward Mature Entry — the 108-credit program, and a maximum of 15 credits may count toward the Extended Credit Program — the 120-credit program if the student is required to complete ESL courses. For students who are not required to complete ESL courses a maximum of six ESL credits may count towards their degree. Additional credits in ESL courses will be considered as credits completed above and beyond the degree requirements.

Section 61.22 The JMSB Core

The JMSB Core

JMSB Core (48 credits)

The required 48-credit core is identical for both the Bachelor of/Baccalaureate in Commerce (BComm) and the Bachelor of/Baccalaureate in Administration (BAdmin) and comprises the following courses:

34.5 credits of courses at the 200 level:

- COMM 205 Business Communication (3.00)
- COMM 211 Global Business Environment (3.00)
- COMM 213 Computing and Visualization Tools for Business Analytics (1.50)
- COMM 214 Business Analytics (3.00)
- COMM 216 Ethics, Business Sustainability, and Social Responsibility (1.50)
- COMM 217 Financial Accounting (3.00)
- COMM 219 Innovation Management (1.50)
- COMM 221 Financial Markets (3.00)
- COMM 223 Marketing Management (3.00)
- COMM 225 Production and Operations Management (3.00)
- COMM 226 Business Technology Management (3.00)
- COMM 227 Interpersonal and Critical Thinking Skills (3.00)
- COMM 229 Managing People in Organizations (3.00)

10.5 credits of courses at the 300 level:

- COMM 305 Managerial Accounting (3.00)
- COMM 309 Business Finance (3.00)
- COMM 316 Business Law and Ethics (1.50)
- COMM 320 Entrepreneurship (3.00)

3 credits at the 400 level:

- COMM 401 Strategic Management (3.00)

Notes

- Students are responsible for following the correct sequence of courses required for the completion of a particular program.

John Molson School of Business Programs

Accountancy

- Honours in Accountancy
- Major in Accountancy
- Certificate in Accountancy

Accounting for Financial Analysts

- Minor in Accounting for Financial Analysts

Assurance, Fraud Prevention and Investigative Services

- Minor in Assurance, Fraud Prevention and Investigative Services

Business Studies

- Minor in Business Studies
- Certificate in Business Studies

Business Technology Management

- Major in Business Technology Management
- Minor in Business Technology Management

Data Intelligence

- Major in Business Analytics
- Minor in Business Analytics

Economics

- Major in Economics
- Minor in Economics

Entrepreneurship

- Minor in Entrepreneurship

Finance

- Honours in Finance
- Major in Finance
- Minor in Finance

Foundations for Business

- Certificate in Foundations for Business

Human Resource Management

- Major in Human Resource Management

- Minor in Human Resource Management

Information Systems Audit and Risk Management

- Minor in Information Systems Audit and Risk Management

International Business

- Major in International Business
- Minor in International Business

Management

- Honours in Management
- Major in Management
- Minor in Management

Marketing

- Major in Marketing
- Minor in Marketing

Real Estate

- Minor in Real Estate

Supply Chain Operations Management

- Major in Supply Chain Operations Management
- Minor in Supply Chain Operations Management

Notes

- Students will indicate their preferred field of concentration at the time of application for entry. It should be noted that students may change their major and/or minor after completion of their first year of study.
- **Minor in Business Studies** and **Certificate in Business Studies**: These programs are not open to students registered in a program leading to the undergraduate degree of Commerce or Administration. Students may transfer into the certificate program up to 12 credits earned in an incomplete degree or certificate program or as an Independent student, provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program.

Section 61.22.1 Academic Performance Regulations

Objectives of the Regulations

The objectives are:

a) to ensure that the John Molson School of Business can certify that all of its graduates are qualified to enter their profession;

b) to ensure that students can, with the assistance or intervention of the John Molson School of Business, assess themselves objectively, and plan programs of study designed to meet their individual needs.

Note: The GPA regulations apply to all students, including those with Visiting status, registered in programs offered by the John Molson School of Business. This also includes the Minor in Business Studies and certificate programs.

Assessment Grade Point Average (AGPA)

(See Section 16.3.10 Academic Performance for definition of AGPA).

Requirements and Consequences

Acceptable standing requires that a student obtain an AGPA of at least 2.00.

Note: Although a "C-" grade (1.70 grade points) is designated as satisfactory in Section 16.1.11 Grading System under Section 16.1 General Information, an AGPA of 2.00 is required for acceptable standing.

Students in acceptable standing must repeat all courses in which failing grades were obtained provided that these courses are required for their program.

Conditional standing results when a student obtains an AGPA between 1.50 and 2.00. Students in conditional standing may not write supplemental examinations but may proceed subject to the following conditions:

- they must receive academic counselling from the appropriate member of the Dean's Office;
- they must successfully repeat all courses in which failing grades were obtained provided that these courses are required for their program, or replace them by alternatives approved by the Dean's Office;
- in no case will the number of credits exceed 15 per term for full-time students and six per term for part-time students;
- they must obtain acceptable standing at the time of their next assessment. If not, they are considered to be in failed standing.

Failed standing results when a student obtains an AGPA of less than 1.50 or fails to achieve acceptable standing after being on conditional standing at the last assessment.

- Failed students are subject to the following regulations: 1) they may not write supplemental examinations; 2) they are dismissed from their program for a minimum period of one year.
- Students who are in failed standing for a second time are dismissed from the University for a longer period of time.
- In subsequent years, should failed students wish to return to university studies, they must contact the Office of the Associate Dean, Academic and Student Affairs, for information concerning conditions and procedures for seeking readmission.
- Readmission is not automatic and is dependent upon an assessment of the applicant's prospects for successful completion of the program. If readmitted, students will be placed on academic probation and may be restricted to a maximum of six credits per term. They must achieve acceptable standing at the time of their next assessment. Other conditions will be determined at the time of readmission.
- Decisions of the relevant authority in the Faculty to which application is made are final.

Graduation Requirements

Students must satisfy all course requirements, be in acceptable standing, and have a minimum final graduation GPA of 2.00. The standings of potential graduates who have attempted less than 12 credits since their last assessment are determined after adding the grade points obtained for these credits to those included in the computation of the GPA of the last assessment period. Students who fail to meet acceptable standing but meet conditional standing, or those who are readmitted from failed standing, will have the following options:

a) register for 12 credits and meet the criteria for acceptable standing;

b) register for fewer than 12 credits and meet the criteria for acceptable standing. In this case, the student's standing will be determined after adding the grade points obtained for these credits to those included in the calculation of the GPA of the last assessment period.

Note: Dean's Office is to be understood as being the appropriate member of the Dean's Office, normally the Associate Dean, Academic and Student Affairs, or delegate.

Section 61.22.2 Registration Regulations

Regulations

- Students enrolled in a degree or certificate program in the John Molson School of Business who have been absent from their program for six consecutive terms or more will be withdrawn from their program and have a lapsed notation entered on their student record. Lapsed students must meet with the appropriate advisor in order to resume their program and be made aware of possible program modifications. In some cases, students will be required to submit a new application.
- Students are allowed to register in a maximum of 12 credits during the summer session (including a maximum of six credits in any term within that session), except for students following the co-operative format of the program.

Section 61.25 Co-operative Education in the John Molson School of Business

Work-Integrated Learning Opportunities

The Institute for Cooperative Education offers a number of work-integrated learning opportunities to students in the John Molson School of Business. Work-integrated learning is a model of experiential learning that bridges the academic program and the world of work. It provides students with the opportunity to combine study with paid work terms in their chosen fields, bringing a wealth of benefits to both students and their employers.

Co-operative Education Format

The co-op format is available in the following programs:

- Major in Accountancy
- Major in Business Technology Management
- Major in Finance
- Major in Human Resource Management
- Major in International Business
- Major in Marketing
- Major in Supply Chain Operations Management

The academic content is identical to that of the regular Bachelor of/Baccalaureate in Commerce (BComm) program with three work terms interspersed with six study terms. However, in order to continue their studies in the co-operative format in the John Molson School of Business, or to graduate with a Bachelor of/Baccalaureate in Commerce (BComm) degree as members of the Institute for Cooperative Education, students must satisfy the following conditions:

- maintain a cumulative grade point average (CGPA) of at least 2.70 in their program;
- be assigned a grade of pass for each of the three work-term experiences;
- remain in the designated work-study sequence. Any deviations must have prior approval by the Director of the Institute for Cooperative Education or delegate in consultation with the academic director of the student's co-op program.

Please refer to Section 24 Institute for Cooperative Education of this Calendar for a full description of the co-operative format of the program.

C.Edge (Career Edge) Option

The C.Edge option is available in the following programs in the BComm and BAdmin degrees:

- Major in Accountancy
- Major in Business Technology Management
- Major in Economics
- Major in Finance
- Major in Human Resource Management
- Major in International Business
- Major in Management
- Major in Marketing
- Major in Supply Chain Operations Management

Academic Content

The academic content is identical to that of the regular program with the addition of a four-month internship. However, in order to enrol in the C.Edge option in the John Molson School of Business, students must satisfy the requirements set by the individual department and the Institute for Cooperative Education. Students may have the C.Edge option recorded on their official transcript and student record, provided they successfully complete the Internship and Reflective Learning course associated with the option.

Please see Section 24 Institute for Cooperative Education for a full description of the C.Edge format and requirements.

Accelerated Career Experience Option

A limited number of students in the BAdmin or BComm programs are permitted to supplement their studies with the Accelerated Career Experience option.

Admission Requirements

Students may apply to this option if they meet the following criteria:

1. must have a minimum cumulative grade point average (CGPA) of 2.70;
2. must have completed at least 24 credits in their degree before applying;
3. must have at least 15 credits remaining after the completion of the Accelerated Career Experience work term.

The academic content is identical to that of the regular program with the addition of one 12- or 16-month work term. However, in order to continue their studies in the Accelerated Career Experience option in the John Molson School of Business, students must satisfy the following conditions:

- maintain a CGPA of at least 2.70 in their program;
- be assigned a grade of pass for the work term.

Please refer to Section 24 Institute for Cooperative Education of this Calendar for a full description of the Accelerated Career Experience option.

Section 61.30 General Information

Failures/Prerequisites

Students are cautioned that if they fail a course that is a prerequisite for a subsequent course, they should repeat and pass that failed course before registering in the subsequent course. For example, a student who fails COMM 217 in the fall term, and has registered in COMM 305 in the subsequent winter term, must drop COMM 305 and repeat COMM 217 in the winter term before registering in COMM 305 again.

Students who are not able to register in the failed course(s) should contact the undergraduate programs' office during the course-change period at the beginning of each term.

Students who are registered for a course in which they do not have the appropriate prerequisite must adjust their registration accordingly. The Office of the Associate Dean reserves the right to deregister those students who do not adhere to academic regulations.

Note: There are no supplemental examinations in the John Molson School of Business.

Proficiency in Canada's Official Languages

The business community and governments have a preference for university graduates who are functional in both the English and French languages. All students are therefore advised to take advantage of the opportunities available to them at this University to ensure that they have good command of these two languages upon graduation.

Section 61.35 John Molson School of Business Courses

COMM 205 Business Communication (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: ECON 203.

Description:

This course focuses on the theory and practice of effective business communications and basic tools and skills of project management. Using interactive classes and experiential activities, students learn to analyze, develop, deliver, and evaluate oral and written business messages, while effectively planning and managing their projects using project management tools and strategies. Students apply formal, grammatical, stylistic, and persuasive elements of written and oral business communication.

Component(s):

"Lecture"

Notes:

- It is recommended that part-time students complete this course, along with COMM 211, as early in their program as possible.
- Students who have received credit for COMM 212 may not take this course for credit.

COMM 210 Contemporary Business Thinking (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: COMM 205; ECON 201 or ECON 203 or equivalent.

Description:

This course presents a broad survey of the world of business and aims to incite students to develop a critical perspective on business literature. Students explore foundational business theories, by studying business articles and books, and evaluating the central ideas for scope, relevance, and managerial utility. The course also fosters students' inclination to keep well informed about contemporary issues in organizations and business. Basic group work techniques and basic project management skills guide the students to complete group assignments.

Component(s):

"Lecture"

Notes:

- It is recommended that part-time students complete this course, along with COMM 205, as early in their program as possible.

COMM 211 Global Business Environment (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: ECON 201, ECON 203 or equivalent.

Description:

This course provides a general understanding of globalization and international business. It covers the basic concepts and theories of international trade, economic development and co-operation, the role of global and regional agreements and organizations, the foreign exchange market and global monetary system, the internationalization process and various entry strategies employed by companies. Students learn to explain how cultural and institutional differences affect business and management practices and the reasons behind variations in business ethics, sustainability, and social responsibility practices around the world. Lectures, case discussions and other experimental teaching methods are employed in this course.

Notes:

- It is recommended that part-time students complete this course, along with COMM 205, as early in their program as possible.
- Students who have received credit for MARK 462 or IBUS 462 may not take this course for credit.

COMM 213 Computing and Visualization Tools for Business Analytics (1.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: ECON 201.

Description:

This course introduces some of the fundamental skills of data analytics tools, useful in a business environment. Students learn how to use the software, to manipulate data, combine data sets and to create appropriate visualization and dashboards. Lectures, assignments, quizzes, and/or exams are employed in this course.

Component(s):

"Lecture"

COMM 214 Business Analytics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 208 and MATH 209. The following course must be completed previously or concurrently: COMM 213.

Description:

This course introduces the fundamentals of analytics as applied to the various areas of business. Topics include basic concepts of big data, exploratory statistical data analysis, prediction modelling, and data visualization. Practical usages of the methodologies are demonstrated via assignments and projects based on data from various functional areas of business.

Component(s):

"Lecture"

Notes:

- Students who have received credit for BIOL 322, COMM 215, ECON 222, GEOG 362, MAST 333, PSYC 316, SOCI 213 or STAT 360 may not take this course for credit.

COMM 215 Business Statistics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 208 or equivalent; MATH 209 or equivalent. The following course must be completed previously or concurrently: BTM 200 or COMP 248 or equivalent.

Description:

This course introduces the fundamentals of statistics as applied to the various areas of business and administration. Topics covered include techniques of descriptive statistics, basic theory of probability and probability distributions, estimation and hypotheses testing, chi-square tests in contingency table analysis and for goodness-of-fit, and linear regression and correlation.

Component(s):

"Lecture"

COMM 216 Ethics, Business Sustainability, and Social Responsibility (1.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: COMM 205, COMM 214.

Description:

The course explores the complex relationship between business and society, focusing on the role of business in protecting the planet and addressing society's needs. Students work with several theoretical perspectives (i.e. ethical reasoning, stakeholder theory, corporate social responsibility, sustainability) to analyze real-world environmental and social dilemmas and identify courses of action for advancing sustainability and social responsibility in businesses. This course prepares students to integrate ethical and sustainable decision-making in their future professional roles.

Component(s):

"Lecture"

COMM 217 Financial Accounting (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMM 211.

Description:

This course is an introductory course designed to provide all business students with a basic understanding of financial accounting. The course examines the theory and practice involved in measuring, reporting, and analyzing an organization's financial information. The key concepts underlying financial statements are discussed, with an emphasis on international financial reporting standards (IFRS). Disclosures and requirements concerning financial statements, concepts of personal, corporate, and sales taxes, as well as information needs of various financial statement users are introduced.

Component(s):

"Lecture"

COMM 219 Innovation Management (1.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMM 205.

Description:

This course provides students with an understanding of the role of innovation in business organizations, society, and the world. Students learn the fundamentals of innovation management, creativity, value creation and capture, etc., that support the development of an innovative mindset. The course allows exploration of tools, techniques, and new ways of thinking which are better suited to addressing complex problems and opportunities inherent in organizations today.

Component(s):

"Lecture"

COMM 220 Analysis of Markets (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 210; COMM 215; ECON 201 or equivalent. The following courses must be completed previously or concurrently: ECON 203 or equivalent.

Description:

This course provides a general perspective on the history, operation and relationships between Canadian and international product, labour and financial markets. Specifically, students are introduced to issues of fundamental importance to today's managers and entrepreneurs such as changes in structure and competitiveness in these markets in response to government policies, the determination and behaviour of interest rates, inflation, market integration, and the role and function of financial intermediation. It further provides students with the knowledge of the role and impact of regulation and other government interventions in these markets.

Component(s):

"Lecture"

COMM 221 Financial Markets (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ECON 201. The following courses must be completed previously or concurrently: ECON 203; COMM 214.

Description:

An appreciation of finance as a discipline and a profession requires an understanding of how individual decisions involving the timing and riskiness of cash flows are both guided by market prices and influence the formation of those prices. This course covers these aspects of finance by exploring the functioning of financial markets within a historical context; the time value of money; the relationship between risk and return; the formation of portfolios; and the pricing of risky assets, including arbitrage.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMM 220 may not take this course for credit.

COMM 222 Organizational Behaviour and Theory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 205; COMM 210.

Description:

This course is designed to provide students with an opportunity to study individual behaviour in formal organizations. Through theoretical case and experiential approaches, the focus of instruction progressively moves through individual, group and organizational levels of analysis. Topics in the course include perception, learning, personality, motivation, leadership, group behaviour, and organizational goals and structure.

Component(s):

"Lecture"

COMM 223 Marketing Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: COMM 211 and COMM 219.

Description:

This course familiarizes students with the key principles and concepts of marketing. Topics covered include marketing strategy, branding, positioning, market segmentation, buyer behaviour, product development, pricing strategies, channels of distribution, and integrated marketing communications. The course also explores the important role that marketing plays in advancing society, as well as the impacts of digital technologies and global factors on marketing practices.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMM 224 or MARK 201 may not take this course for credit.

COMM 225 Production and Operations Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 205, COMM 211 and COMM 214.

Description:

This course is an introduction to contemporary operational issues and techniques in the manufacturing and service sectors. Among the topics covered are operations strategy, forecasting, materials' management, total quality management, time-based competition, and minimal manufacturing. Mathematical modelling in resource allocation is also introduced. Cases and computer-aided quantitative tools for decision-making are used throughout the course with an emphasis on the interactions between production/operations management and other business disciplines.

Component(s):

"Lecture"

COMM 226 Business Technology Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMM 211.

Description:

The objective of this course is to provide students with an understanding of the role of information technology in business organizations and society. Students learn how information technologies, digital tools, and digitization of processes can be leveraged for creation of business value, solving business problems, and driving competitive advantage as well as their impacts in the workplace, environment, and the world.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMM 301 may not take this course for credit.

COMM 227 Interpersonal and Critical Thinking Skills (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 205.

Description:

This course helps students to acquire foundational knowledge about interpersonal processes in organizations. They participate in skills-based labs, and complete hands-on and experiential learning activities, to improve their ability to work effectively with others. Students also learn to take a critical perspective on the various topics, including decision-making, teamwork, conflict management, power and leadership. Through in-depth reading and reflections, they examine claims and evidence, uncover the assumptions underlying them, compare claims and evidence with theoretical principles, and write persuasively about the issues.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMM 222 may not take this course for credit.

COMM 229 Managing People in Organizations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: COMM 227; or MANA 201 and MANA 202.

Description:

This course introduces students to systems and processes that can be put in place for organizations to realize their human capital potential. It covers core human resource management topics, such as recruitment and selection, performance management, monetary and non-monetary rewards, training and development, and health and safety. Key concepts underlying these topics, such as perception, personality, motivation, and attitudes and values, are also discussed. The course relies on diverse learning activities, such as short cases and applied projects, to build student competencies in human resource management.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MANA 362 may not take this course for credit.

COMM 299 Special Topics in Business (3 credits)

Description:

This course enables students to focus on a specific topic in business that is of interest to all students.

Component(s):

"Seminar"

COMM 305 Managerial Accounting (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 213 or COMM 215; COMM 217.

Description:

This course presents managerial accounting tools for business decision-making. The course introduces concepts, tools and applications used in all areas of business. It examines fundamental cost accounting techniques, tools for business decision-making, and concepts for planning and control.

Component(s):

"Lecture"

COMM 308 Introduction to Finance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 217. The following course must be completed previously or concurrently: COMM 220.

Description:

This course provides a general understanding of the fundamental concepts of finance theory as they apply to the firm's long-run and short-run financing, and investment decisions. Building on the objective of firm value maximization, students become familiar with the conceptual issues underlying risk and return relationships and their measurements, as well as the valuation of financial securities. They also learn the concept of cost of capital, its measurement, and the techniques of capital budgeting as practised by today's managers. Students are introduced to the basic issues surrounding the firm's short-term and long-term funding decisions and its ability to pay dividends.

Component(s):

"Lecture"

COMM 309 Business Finance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMM 217. The following course must be completed previously: COMM 221.

Description:

The course introduces a framework for analyzing the major types of investment and financing decisions made by businesses. It applies fundamental concepts of finance theory to the analysis of the market for corporate control (mergers and divestitures), firm's financing decisions (choice between equity and debt and between private and public financing), short-term capital management, capital budgeting principles, and concept and measurement of cost of capital.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMM 308 may not take this course for credit.

COMM 315 Business Law and Ethics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 308.

Description:

This course introduces students to important legal and ethical issues that they may encounter within a business organization. Through the study of laws, ethical principles and court judgments, students develop an understanding of legal and ethical issues, as well as the skills necessary to assist them in making sound legal and ethical decisions.

Component(s):

"Lecture"

COMM 316 Business Law and Ethics (1.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMM 216.

Description:

This course focuses on specific legal and ethical issues that one may encounter in the workplace. Students examine the legal principles of contract law, civil liability and employment law through the analysis of laws and court judgments. As most business enterprises operate as corporations, this course introduces students to important legal principles regarding the internal organization and operation of a corporation. The course also covers the relationship between law and ethics and examines various ethical business issues that may arise within the workplace, including whistleblowing, professional standards/corporate codes of conduct, corporate governance and ethical issues that arise when doing business in other countries.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMM 315 may not take this course for credit.

COMM 320 Entrepreneurship (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 223 or COMM 224; COMM 227; COMM 305; COMM 309.

Description:

This course emphasizes the entrepreneurial aspects of management that are required to create, develop, and sustain either a new business venture or a major growth project/initiative within an existing organization. The integrative nature of the course requires an understanding of each functional area of business. Students have the opportunity to demonstrate teamwork, leadership, communication, and other skills stressed throughout the program.

Component(s):

"Lecture"

COMM 401 Strategic Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: 45 business credits including COMM 225, COMM 229; COMM 226 or COMM 301; and COMM 316, COMM 320 previously or concurrently.

Description:

This capstone course provides students with an understanding of how firms gain and sustain a competitive advantage in today's business landscape. The course covers several topics associated with strategic decision-making processes and consequences. Specific topics include industry dynamics, internal resources and capabilities, business and corporate level

strategies, and various strategic alternatives such as M&As, strategic alliances, and internationalization strategies. The course uses case analysis as the main approach to build abilities in strategic analysis and decision-making.

Component(s):

"Lecture"

Notes:

- Students who have received credit for COMM 310 may not take this course for credit.

COMM 499 Seminar Course (3 credits)

Prerequisite/Corequisite:

To be determined each academic year.

Description:

This course enables students, on an individual basis, to further focus on a specialized topic within their discipline.

Component(s):

"Lecture"

Section 61.40 Department of Accountancy

Department of Accountancy

Accountancy Programs

Accountancy

BComm Honours in Accountancy

BComm Major in Accountancy

Accounting for Financial Analysts

Minor in Accounting for Financial Analysts

Assurance, Fraud Prevention and Investigative Services

Minor in Assurance, Fraud Prevention and Investigative Services

Information Systems Audit and Risk Management

Minor in Information Systems Audit and Risk Management

Accountancy Co-operative Program

Department of Accountancy Courses

Department of Accountancy

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/jmsb/about/departments/accountancy.html

Department Objectives

The Department of Accountancy is committed to remaining a national leader in accounting education through teaching, research and service.

Teaching: Providing a first-rate educational experience that prepares a diverse population of students for successful careers.

Research: Creating and disseminating knowledge of accounting-related issues through reputable channels.

Service: Providing expertise that enhances the well-being of the University, the accounting profession and society in general.

BComm Honours in Accountancy

Program Requirements

BComm Honours in Accountancy (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside the John Molson School of Business

30 credits from the Honours in Accountancy

6 credits of elective courses chosen by the student

Honours in Accountancy (30 credits)

15 credits:

- ACCO 310 Financial Reporting I (3.00)
- ACCO 320 Financial Reporting II (3.00)
- ACCO 330 Cost and Management Accounting (3.00)
- ACCO 340 Income Taxation in Canada (3.00)
- ACCO 400 Accounting in Society (3.00)

9 credits chosen from additional courses offered by the Department

6 credits:

- ACCO 496 Accounting Research Methods (3.00)
- ACCO 497 Accounting Honours Seminar (3.00)

Notes

- Enrolment in this program is limited. The selection process may include recommendations from faculty members as well as interviews of applicants to this program.
- Students must maintain a minimum cumulative GPA of 3.3 in their Accountancy Courses and achieve a minimum grade of B+ in ACCO 496 and ACCO 497 to remain in the honours program. Students who are withdrawn from the honours program may proceed in the Major in Accountancy.

BComm Major in Accountancy

Program Requirements

BComm Major in Accountancy (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside the John Molson School of Business

24 credits from the Major in Accountancy

12 credits of elective courses chosen by the student

Major in Accountancy (24 credits)

15 credits:

- ACCO 310 Financial Reporting I (3.00)
- ACCO 320 Financial Reporting II (3.00)
- ACCO 330 Cost and Management Accounting (3.00)
- ACCO 340 Income Taxation in Canada (3.00)
- ACCO 400 Accounting in Society (3.00)

9 credits chosen from additional courses offered by the Department

Minor in Accounting for Financial Analysts

Program Requirements

Minor in Accounting for Financial Analysts (12 credits)

9 credits:

- ACCO 310 Financial Reporting I (3.00)
- ACCO 320 Financial Reporting II (3.00)
- ACCO 355 Analysis of Financial Statements (3.00)

3 credits chosen from additional courses offered by the Department

Minor in Assurance, Fraud Prevention and Investigative Services

Program Requirements

Minor in Assurance, Fraud Prevention and Investigative Services (12 credits)

12 credits:

- ACCO 350 FinTech: Impact on Accounting (3.00)
- ACCO 360 Principles of Auditing (3.00)
- ACCO 455 Fraud Examination (3.00)
- ACCO 465 Advanced Assurance Services (3.00)

Minor in Information Systems Audit and Risk Management

Program Requirements

Minor in Information Systems Audit and Risk Management (12 credits)

12 credits chosen from:

- ACCO 350 FinTech: Impact on Accounting (3.00)
- ACCO 360 Principles of Auditing (3.00)
- ACCO 455 Fraud Examination (3.00)
- BTM 382 Database Management (3.00)
- BTM 430 Enterprise Resource Planning (3.00)
- BTM 440 Cybersecurity for Business (3.00)

Note: The Minor in Information Systems Audit and Risk Management is offered jointly with the Department of Supply Chain and Business Technology Management

Accountancy Co-operative Program

The Co-op Program

The Accountancy cooperative program is offered to students who are enrolled in the BComm Bachelor of/Baccalaureate in Commerce program and are majoring in Accountancy.

The academic content of the coop program is identical to that of the regular program, but three work terms are interspersed with six study terms.

Students are supervised individually and must meet the requirements specified by the John Molson School of Business and the Institute for Cooperative Education in order to continue their studies in the coop format.

Liaison between the student, the employers, and the Institute for Cooperative Education is provided by the Accountancy coop academic director and the coop committee.

Please refer to Section 24 Institute for Cooperative Education of this Calendar for a full description of the cooperative format of the program.

Department of Accountancy Courses

ACCO 220 Financial and Managerial Accounting (3 credits)

Description:

This course provides an introduction to accounting principles underlying the preparation of financial reports with an emphasis on the relationship between accounting information and production decisions. It examines the relationship between costs, production volume, and profit, as well as the practical benefits of standard costs for planning and control purposes. The role of accounting information in various manufacturing decisions is also highlighted.

Component(s):

"Lecture"

Notes:

- John Molson School of Business students may not take this course for credit.
- This course would be useful to Engineering students.
- Students who have received credit for ACCO 230, ACCO 240 may not take this course for credit.

ACCO 230 Introduction to Financial Accounting (3 credits)

Description:

This course provides an introduction to accounting concepts underlying financial statements of organizations. It focuses on the analysis, measurement, and reporting of business transactions to users of financial statements. It also examines the uses and limitations of accounting information for investment and credit decisions.

Component(s):

"Lecture"

Notes:

- John Molson School of Business students may not take this course for credit.
- Students who have received credit for ACCO 220 may not take this course for credit.

ACCO 240 Introduction to Managerial Accounting (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACCO 230.

Description:

This course examines the role of accounting information for decision making, and focuses on concepts and techniques used in planning operations, controlling activities, and evaluating managerial performance. New developments are addressed with a focus on contemporary business issues and real-world applicability of management accounting concepts and techniques.

Component(s):

"Lecture"

Notes:

- John Molson School of Business students may not take this course for credit.
- Students who receive a passing grade may be exempt from COMM 305. Students who have received credit for ACCO 220 may not take this course for credit.

ACCO 310 Financial Reporting I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMM 305.

Description:

Intensive study is made of the theory and practice of external financial reporting by business organizations, focusing on concepts and procedures underlying the measurement of assets and the determination of income.

Component(s):

"Lecture"

ACCO 320 Financial Reporting II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACCO 310.

Description:

This course continues the intensive study of ACCO 310, with particular emphasis on accounting for liabilities, shareholders' equity, and other related topics such as earnings per share, pension accounting, and accounting for income taxes.

Component(s):

"Lecture"

ACCO 330 Cost and Management Accounting (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 305.

Description:

This course provides an examination of the techniques, systems, and procedures applicable to the managerial use of accounting information for planning, decision-making, and control. Topics include cost accumulation and allocation, product and process costing, flexible budgeting and variance analysis, evaluation of managerial performance, and transfer pricing.

Component(s):

"Lecture"

ACCO 340 Income Taxation in Canada (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 217.

Description:

This course provides core knowledge regarding the federal income tax structure and the Canadian goods and services tax system. It examines the taxation of employment, business, property income, capital gains and other sources of income for an individual.

Component(s):

"Lecture"

ACCO 350 FinTech: Impact on Accounting (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 226 or COMM 301; COMM 305.

Description:

This course examines the impact of financial technology (FinTech) on organizations, managers, accountants, and accounting systems. FinTech integrates innovative information technologies (IT) aiming to streamline business and financial processes. The course exposes students to current FinTech to identify appropriate usage in specific accounting contexts. Topics include a review of IT fundamentals, computer fraud, systems security and controls, financial innovations, AI, blockchain and cryptoassets, and data governance and ethics.

Component(s):

"Lecture"; Blended Learning (BL)

Notes:

- This course is useful for students enrolled in the Major in Business Technology Management.

ACCO 355 Analysis of Financial Statements (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 305; COMM 309.

Description:

This course explores the usefulness and limitations of financial statements for investment and credit decisions. It focuses on the interpretation of the information contained in financial statements which reflect the economic characteristics of the firm and its strategic business decisions. Instruments and techniques for financial statement analysis are discussed and applied to case studies and actual companies.

Notes:

- This course would be useful for students in Finance and Management.

ACCO 360 Principles of Auditing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 305.

Description:

This course examines the concepts and methods of auditing and how internal and external audits are integrated in a more general corporate governance and risk management framework. The importance of the design and monitoring of effective internal controls is highlighted. The objectives, concepts and methods of auditing are illustrated with examples and short cases. They are also applied to solve simple problems and cases.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ACCO 450 may not take this course for credit.

ACCO 365 U.S. Federal Taxation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 217 or ACCO 230.

Description:

This course familiarizes the student with individual and corporate taxation in the U.S. The use of professional judgment in the application of tax planning recommendations is also addressed in this course.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ACCO 470 number may not take this course for credit.

ACCO 400 Accounting in Society (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACCO 320.

Description:

This course takes the perspective of various stakeholders to critically analyze current accounting practices. Stakeholders' interests and incentives are examined through different theoretical and conceptual lenses. The social construction of accounting numbers and ethical and responsible behaviour are guiding principles for all topics discussed.

Component(s):

"Lecture"

ACCO 420 Financial Reporting III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACCO 320.

Description:

This course examines the theory and practice of accounting for intercorporate investments, business combinations, consolidation of financial statements, and foreign currency transactions and operations.

Component(s):

"Lecture"

ACCO 425 Financial Reporting IV (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACCO 320.

Description:

This course addresses special topics in accounting including financial reporting for not for profit organizations and government entities. Governance, social responsibility concepts, and accountability frameworks are illustrated by comparing the practices of selected organizations with authoritative standards.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ACCO 410 may not take this course for credit.

ACCO 435 Strategic Accounting Case Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACCO 320; ACCO 330. The following course must be completed previously or concurrently: COMM 401.

Description:

This course integrates topics in financial and management accounting, finance, and business strategy covered in previous courses. Students are involved in a case environment that requires them to analyze the external and internal environments of a business, perform financial analysis, evaluate alternatives, and recommend a plan of action. Students are introduced to enterprise resource planning (ERP) platforms used in companies, asset financing, and aspects of commercial lending to assess financing alternatives.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under an ACCO 470 number may not take this course for credit.

ACCO 440 Advanced Taxation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACCO 340.

Description:

This course provides core knowledge regarding the federal taxation of corporations, partnerships, and trusts. It introduces analytical skills needed to make decisions regarding various business transfers, combinations, incorporation and estate planning issues for corporations and shareholders.

Component(s):

"Lecture"

ACCO 455 Fraud Examination (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 217. The following course must be completed previously or concurrently: COMM 316.

Description:

This course examines the principles of fraud prevention, detection and deterrence. Topics covered may include the psychology of the fraudster, cash receipt schemes, cash disbursement schemes, non-cash misappropriations, corruption, fraudulent financial statements, fraud risk assessments, investigation techniques and interviewing witnesses. This course may also examine auditors' responsibilities towards fraud, the evaluation of internal controls and important pieces of legislation such as the Sarbanes-Oxley Act and the Criminal Code of Canada. Finally, the ethical aspects associated with fraud are discussed. Class sessions consist of lectures and real-life fraud case/video discussions from various sources, including the Association of Certified Fraud Examiners.

Component(s):

"Lecture"

Notes:

- This course would be useful to all BComm students as it focuses on the role of management in the prevention and detection of fraud.
- Students who have received credit for this topic under an ACCO 470 number may not take this course for credit.

ACCO 465 Advanced Assurance Services (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACCO 320 and ACCO 360, or ACCO 450.

Description:

This course covers important topics and concepts in auditing and assurance services. It builds on audit principles covered in previous courses and introduces specialized and advanced topics that are of particular importance to professional accountants. In covering topics and their application, the course focuses on decision-making processes followed by auditors.

Notes:

- Students who have received credit for this topic under an ACCO 470 number may not take this course for credit.

ACCO 470 Special Topics in Accounting (3 credits)

Prerequisite/Corequisite:

Written permission of the Department is required.

Description:

This course provides an opportunity for more intensive study in one or more specific topics in accounting. This course is intended to complement accounting courses taken previously or concurrently at the senior level.

Component(s):

"Lecture"

Notes:

- Specific topics for this course and prerequisites relevant in each case are stated in the Undergraduate Class Schedule.

ACCO 496 Accounting Research Methods (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: ACCO 400. Enrolment in the Honours in Accountancy is required.

Description:

This seminar is the first of two offered to students in the Honours in Accountancy program over the course of two terms. This first seminar introduces students to accounting research, the process of conducting research, and different research methodologies.

Component(s):

"Lecture"

ACCO 497 Accounting Honours Seminar (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACCO 496. Enrolment in the Honours in Accountancy is required.

Description:

This seminar is the second of two offered to students in the Honours in Accountancy program over the course of two terms. In this seminar, while continuing work on their project, students make one or more preliminary presentations of their

research. They complete their project for submission as a paper by the end of the term. In addition, each student makes a presentation of their project.

Component(s):

"Lecture"

Section 61.50 Department of Supply Chain and Business Technology Management

Department of Supply Chain and Business Technology Management

Supply Chain and Business Technology Management Programs

Business Analytics

BComm Major in Business Analytics

Minor in Business Analytics

Business Technology Management

BComm Major in Business Technology Management

Minor in Business Technology Management

Information Systems Audit and Risk Management

Minor in Information Systems Audit and Risk Management

Supply Chain Operations Management

BComm Major in Supply Chain Operations Management

Minor in Supply Chain Operations Management

Business Technology Management/Supply Chain Operations Management Co-operative Programs

Department of Supply Chain and Business Technology Management Courses

Department of Supply Chain and Business Technology Management

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/jmsb/about/departments/supply-chain-business-technology-management.html

Department Objectives

The Department of Supply Chain and Business Technology Management prepares students with an integrated set of decision-making skills to meet the organizational and managerial needs of the business world.

The Major in Business Technology Management aims to equip students with knowledge and skills in information and communication technology, business process analysis, and project management. It prepares graduates for careers in various business technology areas such as information systems analysis and design, database administration, as well as management of information technology.

The Major in Supply Chain Operations Management aims to provide the knowledge and skills needed for planning and execution of end-to-end supply chains. It provides students with sufficient academic, technical and professional foundations that will enable them to pursue a challenging and rewarding career that covers planning, procurement, manufacturing, services, transportation, logistics and distribution, among others.

The Minor in Business Analytics provides a knowledge base to complement the student's program at the John Molson School of Business. It equips students with fundamental analytic capabilities and prepares them for careers combining analytic and management skills. Students learn the skills needed to discover data trends and learn the tools and techniques for analyzing data sets.

BComm Major in Business Analytics

Program Requirements

BComm Major in Business Analytics (90 credits)

48 credits from the The JMSB Core

24 credits from the Major in Business Analytics

6 credits of electives courses chosen from outside of the John Molson School of Business

12 credits of elective courses chosen by the student

Major in Business Analytics (24 credits)

24 credits:

- BANA 300 Principles of Business Analytics (3.00)
- BANA 440 Business Analytics Programming (3.00)
- BANA 450 Statistical Models for Business Analytics (3.00)
- BANA 477 Predictive Modelling and Analysis (3.00)
- BANA 478 Data Mining for Business Analytics (3.00)
- BANA 491 Advanced Business Analytics (3.00)
- BANA 492 Business Analytics Capstone (3.00)
- BTM 382 Database Management (3.00)

Minor in Business Analytics

Program Requirements

Minor in Business Analytics (12 credits)

12 credits:

- BANA 440 Business Analytics Programming (3.00)
- BANA 450 Statistical Models for Business Analytics (3.00)
- BANA 477 Predictive Modelling and Analysis (3.00)
- BANA 478 Data Mining for Business Analytics (3.00)

BComm Major in Business Technology Management

Program Requirements

BComm Major in Business Technology Management (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside the John Molson School of Business

24 credits from the Major in Business Technology Management

12 credits of elective courses chosen by the student

Major in Business Technology Management (24 credits)

15 credits:

- BTM 380 Business Application Development (3.00)
- BTM 382 Database Management (3.00)
- BTM 385 Artificial Intelligence in Business (3.00)
- BTM 481 Digital Consulting (3.00)
- BTM 496 Digital Strategy, Management and Sourcing (3.00)

9 credits chosen from:

- BANA 450 Statistical Models for Business Analytics (3.00)
- BANA 478 Data Mining for Business Analytics (3.00)
- BTM 387 Digital Business Development (3.00)
- BTM 430 Enterprise Resource Planning (3.00)
- BTM 440 Cybersecurity for Business (3.00)
- BTM 450 User Experience (3.00)
- BTM 460 Data Ethics and Privacy (3.00)
- BTM 480 Project Management (3.00)
- BTM 490 Special Topics in Business Technology Management (3.00)
- BTM 495 Business Application Design and Implementation (3.00)

Minor in Business Technology Management

Program Requirements

Minor in Business Technology Management (12 credits)

9 credits:

- BTM 380 Business Application Development (3.00)
- BTM 385 Artificial Intelligence in Business (3.00)
- BTM 481 Digital Consulting (3.00)

3 credits chosen from:

- BTM 382 Database Management (3.00)
- BTM 387 Digital Business Development (3.00)
- BTM 430 Enterprise Resource Planning (3.00)
- BTM 440 Cybersecurity for Business (3.00)
- BTM 450 User Experience (3.00)
- BTM 460 Data Ethics and Privacy (3.00)
- BTM 480 Project Management (3.00)

Minor in Information Systems Audit and Risk Management

Program Requirements

Minor in Information Systems Audit and Risk Management (12 credits)

12 credits chosen from:

- ACCO 350 FinTech: Impact on Accounting (3.00)
- ACCO 360 Principles of Auditing (3.00)
- ACCO 455 Fraud Examination (3.00)
- BTM 382 Database Management (3.00)
- BTM 430 Enterprise Resource Planning (3.00)
- BTM 440 Cybersecurity for Business (3.00)

Note: The Minor in Information Systems Audit and Risk Management is offered jointly with the Department of Accountancy.

BComm Major in Supply Chain Operations Management

Program Requirements

BComm Major in Supply Chain Operations Management (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside the John Molson School of Business

24 credits from the Major in Supply Chain Operations Management

12 credits of elective courses chosen by the student

Major in Supply Chain Operations Management (24 credits)

18 credits:

- SCOM 361 Business Decision Modelling (3.00)
- SCOM 363 Service and Manufacturing Operations (3.00)
- SCOM 372 Supply Chain Design (3.00)
- SCOM 374 Logistics and Transportation Management (3.00)
- SCOM 492 Supply Chain Simulation (3.00)
- SCOM 498 Supply Chain Project (3.00)

6 credits chosen from:

- BANA 450 Statistical Models for Business Analytics (3.00)
- SCOM 362 Procurement and Supply Management (3.00)
- SCOM 491 Supply Chain Risk Management (3.00)

Minor in Supply Chain Operations Management

Program Requirements

Minor in Supply Chain Operations Management (12 credits)

12 credits:

- SCOM 361 Business Decision Modelling (3.00)
- SCOM 363 Service and Manufacturing Operations (3.00)
- SCOM 372 Supply Chain Design (3.00)
- SCOM 374 Logistics and Transportation Management (3.00)

Business Technology Management/Supply Chain Operations Management Co-operative Programs

The Co-op Program

The Department of Supply Chain and Business Technology Management offers two co-operative programs for students who are enrolled in the Bachelor of/Baccalaureate in Commerce (BComm) program: Business Technology Management – BTM (for students majoring in BTM), and Supply Chain Operations Management – SCOM (for students majoring in SCOM).

The academic content of each co-op program is identical to that of the regular program, but three work terms are interspersed with six study terms.

Students are supervised individually and must meet the requirements specified by the John Molson School of Business and the Institute for Cooperative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers, and the Institute for Cooperative Education is provided by the co-op academic director and the co-op committee.

Please refer to Section 24 Institute for Cooperative Education of this Calendar for a full description of the co-operative format of the program.

Department of Supply Chain and Business Technology Management Courses

Quick Links

Business Analytics Courses

Business Technology Management Courses

Supply Chain Operations Management Courses

Business Analytics Courses

BANA 300 Principles of Business Analytics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 213, COMM 214 or COMM 215.

Description:

This course provides a comprehensive foundation for business analytics which will be built upon throughout the program. The course covers a broad range of topics such as major processes in business analytics and data mining, optimization techniques for business analytics, visualization tools/techniques, information systems security and cyber ethics. The course uses a combination of theory and applied learning through intensive cases and the students are motivated using real-world problems and applications in business analytics.

Component(s):

"Lecture"; "Laboratory"

BANA 440 Business Analytics Programming (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 213, COMM 214; or COMM 215.

Description:

Programming knowledge is an essential skill for business analytics in that executives and managers should be conversant with programming. This course covers basic programming concepts (such as data types, data input/output), basic control flow, including conditionals and loops, functions, program design, basic algorithms and data structures in popular programming languages in analytics domain such as Python and R. The course gives students the opportunity to learn about and use programming to implement their ideas and provides them with the fundamental knowledge and practice needed to appreciate the challenges and opportunities related to developing robust programs that are at the core of business analytics.

Component(s):

"Lecture"; "Workshop"

Notes:

- Students who have received credit for BSTA 445 may not take this course for credit.

BANA 450 Statistical Models for Business Analytics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 214.

Description:

This course introduces and examines the role of contemporary statistical methods in improving business and making business decisions. The methodologies selected for discussion represent those that are most extensively used in business studies and analyses. The topics covered include statistical thinking, regression analysis, logistic regression, discriminant analysis, experimental methods and A/B testing in product and process designs. The course involves mostly analyses of real-life data using statistical software packages. The understanding of the rationale of the methodologies introduced is also emphasized.

Component(s):

"Lecture"; "Workshop"

Notes:

- Students who have received credit for BSTA 378 or BSTA 450 may not take this course for credit.

BANA 477 Predictive Modelling and Analysis (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: BANA 450 or BSTA 450.

Description:

This course focuses on the theory and applications of the most widely used models, ETS and ARIMA, to represent the underlying relationships in historical time series data in order to explain the data and make predictions, forecasts or classifications about future events. The models are assessed for predictor variable impact, goodness-of-fit and forecast accuracy, and subject to validations with new or split data. A wide range of databases from various areas are considered for analysis and prediction using software packages in homework and project assignments.

Component(s):

"Lecture"; "Workshop"

Notes:

- Students who have received credit for BSTA 477 may not take this course for credit.

BANA 478 Data Mining for Business Analytics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BANA 450 or equivalent.

Description:

The course covers essential ideas and techniques for extracting information from large amounts of data. It discusses both supervised and unsupervised methods, and covers topics such as dimension reduction, classification and regression trees, K-nearest neighbours, neural networks, association rules, collaborative filtering, cluster analysis, ensemble methods, boosting and bagging. Illustrations of the concepts and methods are given, and students gain practical experience in data mining with the use of popular data mining software.

Component(s):

"Lecture"; "Workshop"

Notes:

- Students who have received credit for BSTA 478 may not take this course for credit.

BANA 491 Advanced Business Analytics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BANA 300 or BANA 478.

Description:

The landscape of technology-enabled businesses and career opportunities are changing rapidly. This course introduces students to emerging technologies with their evolving implications for future business models and business processes. The central goal of this course is to provide an opportunity to understand the pros and cons of recent technologies in different business domains. This course covers topics such as: deep learning, artificial intelligence, quantum computing, evolutionary algorithms, hybrid intelligent systems, and social media analytics. Students apply advanced analytic tools to various real-world problems.

Component(s):

"Lecture"; "Laboratory"

BANA 492 Business Analytics Capstone (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BANA 477 or BSTA 477; BANA 478 or BSTA 478.

Description:

This course is a project-based experiential learning in which students apply their learning in the Business Analytics program to develop real-life business and social solutions for a real-word problem. Students, with the guidance of the instructor, propose their own capstone project ideas. By working on real problems, students gain practical experience developing innovative technological solutions. The capstone course demonstrates the skills students have acquired throughout the Business Analytics program in a real-world setting. Students begin planning the capstone project in the beginning of the term and the rest of the term is spent building and implementing the proposed system.

Component(s):

"Workshop"

BSTA 490 Special Topics in Business Statistics (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course allows for more intensive examination of one or more topics in business statistics.

Component(s):

"Lecture"

Business Technology Management Courses

BTM 200 Fundamentals of Information Technology (3 credits)

Description:

This course covers topics in information and communications technologies, including software, hardware, the Internet, and office productivity applications. Students learn about the technologies and their use, as well as acquire hands-on experience in key software applications.

Component(s):

"Lecture"

Notes:

- Students enrolled in BA or BSc Major in Mathematics and Statistics programs may not take this course for credit.
- Students who have received credit or exemption for DESC 200, INTE 290, or for this topic under a COMM 499 number or equivalent, may not take this course for credit.

BTM 380 Business Application Development (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 226.

Description:

This course introduces students to the fundamentals of business application development using a modern programming language. Emphasizing practical skills, students learn core programming concepts and methodologies essential for building business software solutions. Topics include data input and processing, decision-making and repetition structures, functions, file handling, graphical user interfaces, and working with data structures such as tuples, lists, dictionaries, and objects. The course also introduces students to the principles of the object-oriented approach to programming, including the use of classes and objects to design modular and maintain able applications. Instruction is supported through hands-on exercises using an Integrated Development Environment to facilitate the development, testing, and debugging of applications.

Component(s):

"Lecture"

BTM 382 Database Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 226.

Description:

This course introduces the principles and practice of database management for business. Students learn to model business data, create well-structured relational schemas, and craft effective SQL queries, then take a guided tour of newer, distributed data platforms built for large-scale and varied datasets. Through hands-on labs and case discussions, they explore how organizations store and govern day-to-day operational data, drive analytics, and translate information into sharper decisions —equipping them to manage data across its full life cycle.

Component(s):

"Lecture"

BTM 385 Artificial Intelligence in Business (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 214, COMM 219, COMM 226.

Description:

This course emphasizes the managerial aspects of artificial intelligence (AI) in organizations. It introduces students to uses and considerations of AI for business. Through case studies, class discussion, hands-on activities and a business project, students learn how and when to integrate different types of AI applications into an organization, learn how to use various AI tools and how to apply them to business and organizational situations. This course focuses on developing students' AI skills and know-how, as well as AI soft skills, including understanding and evaluating the benefits, risks and negative impacts of AI and managing these challenges.

Component(s):

"Lecture"

BTM 387 Digital Business Development (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BTM 380, BTM 385.

Description:

Digital business development explores the rapidly evolving digital business landscape, equipping students with the knowledge and skills to create, manage, and scale digital ventures in the evolving digital economy. The course covers key topics such as ecommerce, digital platforms, and emerging technologies that drive digital innovation, digital disruption, and digital transformation.

Component(s):

"Lecture"

BTM 430 Enterprise Resource Planning (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 225, COMM 226.

Description:

This course responds to the demand for the integration of technological and business resources by providing the student with opportunities to understand and analyze practical business problems and processes via the use of enterprise resource planning (ERP) applications. Topics include production and supply chain management information systems, marketing information systems and the sales order process, accounting in ERP systems, process modelling, process improvement, and ERP implementation. Business analytics tools for ERP systems are explored with the use of hands-on exercises.

Component(s):

"Lecture"

BTM 440 Cybersecurity for Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 226.

Description:

The course is an introduction to major cybersecurity concepts, including the Confidentiality, Integrity, Availability (CIA) triad, risk management, threats and vulnerability management. In addition, it provides a general overview of security controls, data protection techniques, social engineering techniques, incident and access management, cryptography, blockchain, network security, business continuity planning and disaster recovery. The course examines different information systems' governance standards and the processes to audit information systems. The course uses a combination of theory and applied learning through intensive cases and the completion of hands-on IT labs.

Component(s):

"Lecture"; "Laboratory"

BTM 450 User Experience (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BTM 385, BTM 481.

Description:

This course covers the foundational methodologies of user experience (UX) research and testing, culminating in the creation of a comprehensive UX report. Topics include planning and conducting user research, analyzing feedback to identify usability issues, developing personas and journey maps, performing cost/benefit evaluations of proposed improvements, and formulating evidence-based recommendations.

Component(s):

"Lecture"

BTM 460 Data Ethics and Privacy (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 216, COMM 226, COMM 316.

Description:

In today's digital world, organizations that can manage and protect private information have a strategic edge. The purpose of this course is to provide students with an in-depth understanding of privacy concerns and ethical considerations when working with data and information systems, and why it is important for organizations to address them. This course covers the legal and regulatory aspects of data privacy, the role and structure of privacy policies and the consequences of poor management of data privacy. Students also explore how ethical frameworks can influence organizational decisions on the collection, analysis, use and storage of data.

Component(s):

"Lecture"

BTM 480 Project Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 225 or COMM 226.

Description:

This course covers the theory, tools, and techniques associated with the management of projects including the use of project management software. Cases from various business contexts are used to illustrate essential steps in setting up project plans, scheduling work, monitoring progress, and exercising control to achieve desired results. The course integrates the Project Management Body of Knowledge with the Project Management Institute's certification requirements. Students are introduced to project management agile methods.

Component(s):

"Lecture"

BTM 481 Digital Consulting (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 219, COMM 226.

Description:

This course covers the first two phases of the systems development life cycle, which culminates in the systems proposal. Topics include project identification and initiation, feasibility analysis, requirements determination and elicitation techniques, analysis of existing business processes, systems, and models, as well as identification of deficiencies, and provision of a recommended course of action. In addition, various modelling tools, analyses frameworks, and systems methods are examined.

Component(s):

"Lecture"

BTM 490 Special Topics in Business Technology Management (3 credits)

Prerequisite/Corequisite:

Permission of the Department of Supply Chain and Business Technology Management is required.

Description:

This course allows for more intensive examination of one or more topics in business technology management.

Component(s):

"Lecture"

BTM 495 Business Application Design and Implementation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BTM 380, BTM 382, BTM 481.

Description:

The main objective of this course is to expose students to the concepts, tools, and techniques they need to transform the information system requirements, resulting from the system analysis phase, into system design specifications, and to transform the information system design specifications, resulting from the system design phase, into a system prototype.

Component(s):

"Lecture"

BTM 496 Digital Strategy, Management and Sourcing (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BTM 380, BTM 382, BTM 481.

Description:

This course examines the strategic and operational management of digital technology resources within an organization. Topics include digital strategy, IT governance frameworks, technology sourcing and architecture, risk management, security and privacy policies, resource allocation, and change management. The course also explores external influences such as the evolving digital technology landscape, industry trends, and emerging digital solutions. Students gain practical experience by applying course concepts in developing a comprehensive Request for Proposal (RFP), assessing potential solutions, and recommending a digital solution tailored to address a real-world business problem or opportunity.

Component(s):

"Lecture"

Supply Chain Operations Management Courses

SCOM 361 Business Decision Modelling (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 225.

Description:

This course focuses on the application of business optimization and decision analytics to supply chain management challenges. Using industry-standard optimization analytics tools, students learn to evaluate and optimize the allocation of scarce human, physical, and financial resources. Topics include linear programming, integer linear programming, transportation problems, assignment problems, transshipment problems, network models, and multi-objective decision-making. Students acquire skills needed to develop decision models and interpret optimal solutions for managerial insights.

Component(s):

"Lecture"

Notes:

- Students who have received credit for DESC 361 may not take this course for credit.

SCOM 362 Procurement and Supply Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 225.

Description:

This course explores procurement and supply management issues. Topics include procurement operations and structures, supplier evaluation and development, procurement tools and techniques, negotiation and contract management, purchasing and electronic sourcing, and emerging trends in procurement and supply strategy. Students gain knowledge and skills to manage procurement and supplier relationships, reduce supply chain risks and harness strategic partnerships to drive competitive advantage.

Component(s):

"Lecture"

SCOM 363 Service and Manufacturing Operations (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMM 225.

Description:

This course examines product and service design, with an emphasis on process improvement throughout the life cycle of products and services. Topics include process analysis, continuous improvement, process disruptions, lean automation, service systems, and new product development. Students gain industry-relevant knowledge applicable to service and manufacturing settings and acquire analytical skills to optimize processes and improve operational efficiency.

Component(s):

"Lecture"

Notes:

- Students who have received credit for DESC 363 may not take this course for credit.

SCOM 372 Supply Chain Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCOM 361 or DESC 361.

Description:

This course covers strategic, tactical and operational issues in supply chain design. Topics include facility location, network design, capacity planning, sourcing decisions, inventory management, and aggregate planning. Students explore coordination, sustainability, and risk management issues in supply chains, and develop analytical skills to design efficient and resilient supply chains. Applications of artificial intelligence in these areas are also highlighted.

Component(s):

"Laboratory"

Notes:

- Students who have received credit for DESC 372 may not take this course for credit.

SCOM 374 Logistics and Transportation Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 225.

Description:

This course explores supply chain issues in logistics and transportation. Topics include customer value delivery, distribution channels, logistics performance measurement, service logistics, warehouse management, transportation management, third-party logistics, international trade, and global logistics. Students gain the knowledge and skills needed to manage logistics operations and transportation networks, reduce supply chain costs, and enhance customer satisfaction.

Component(s):

"Lecture"

Notes:

- Students who have received credit for DESC 374 may not take this course for credit.

SCOM 490 Special Topics in Supply Chain Operations Management (3 credits)

Prerequisite/Corequisite:

Permission of the Department of Supply Chain and Business Technology Management is required.

Description:

This course allows for more intensive examination of one or more topics in supply chain operations management.

SCOM 491 Supply Chain Risk Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 225.

Description:

This course covers fundamental quantitative and qualitative tools of risk management used to mitigate against supply chain risks in the context of supply and demand management strategies. Globalization initiatives in trade and money markets and increased worldwide security concerns have exposed supply chains to ever-increasing risks. Consequently, risk management along the supply chain has become an important function in order to decrease the level of vulnerability for the stakeholders. Topics include review of supply chain fundamentals and principles, risk identification and management, trade-offs in risk management, supply chain strategies for robustness, and scenario planning. Various case studies are used to highlight design and implementation issues.

Component(s):

"Lecture"

Notes:

- Students who have received credit for DESC 491 may not take this course for credit.

SCOM 492 Supply Chain Simulation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BANA 450 ; nine credits of SCOM courses.

Description:

This course focuses on the application of business simulation and decision analytics to supply chain management from both analytical and managerial perspectives. Using industry-standard simulation tools, students learn to evaluate and enhance supply chain operations across a wide range of business sectors, including manufacturing, services, transportation, retail, and health care. Students develop the skills needed to identify operational bottlenecks and implement data-driven improvements.

Component(s):

"Lecture"

Notes:

- Students who have received credit for DESC 492 may not take this course for credit.

SCOM 498 Supply Chain Project (3 credits)

Prerequisite/Corequisite:

The following must be completed previously or concurrently: SCOM 492 and 12 credits of SCOM courses.

Description:

The course features a capstone project conducted by a team of students in a real-business setting. Students apply tools and techniques of supply chain operations management to identify, analyze and develop solutions to supply chain problems. Successful completion of the course requires submission of a project proposal, progress report, comprehensive project final report, and oral presentation.

Component(s):

"Lecture"

Notes:

- Students who have received credit for DESC 498 may not take this course for credit.

Section 61.60 Economics

Economics

Economics Programs

- BComm Major in Economics
- Minor in Economics

Economics

Website

concordia.ca/academics/undergraduate/economics-jmsb.html

BComm Major in Economics

Program Requirements

BComm Major in Economics (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside the John Molson School of Business

24 credits from the Major in Economics

12 credits of elective courses chosen by the student

Major in Economics (24 credits)

12 credits:

- ECON 301 Intermediate Microeconomic Theory I (3.00)
- ECON 302 Intermediate Microeconomic Theory II (3.00)
- ECON 303 Intermediate Macroeconomic Theory I (3.00)
- ECON 304 Intermediate Macroeconomic Theory II (3.00)

12 credits of ECON elective courses chosen at the 400 level

Minor in Economics

Program Requirements

Minor in Economics (12 credits)

6 credits:

- ECON 318 Canadian Economic Policy and Institutions (3.00)
- ECON 319 International Economic Policy and Institutions (3.00)

6 credits of ECON elective courses chosen at the 300 level

Section 61.70 Department of Finance

Department of Finance

Finance Programs

- BComm Honours in Finance
- BComm Major in Finance
- Minor in Finance

Finance Co-operative Program

Department of Finance Courses

Department of Finance

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/jmsb/about/departments/finance.html

Department Objectives

The Department of Finance is committed to excellence in both research and teaching and has earned a solid reputation as a productive and research oriented academic unit. The Department's research activities include theoretical, empirical, and applied contributions — all aimed at furthering knowledge in the field. Its teaching activities cover a wide range of topics including corporate finance, investment, international finance, personal finance, optimization techniques, portfolio management, options and futures and fluctuations in security prices, exchange rates, and interest rates.

Teaching effectiveness represents the cornerstone of the Department's teaching objectives. The Department's curriculum is a dynamic one which keeps up with current trends and innovations in the financial area. Department members have been recognized not only with Faculty Teaching Awards but also internationally by winning the 3M Teaching Fellowship Award.

The Department has developed orientation and training programs with major corporations and financial institutions for its students. Through this type of external involvement, classroom teaching is effectively blended with the complexities of the real world thereby providing students not only with a more meaningful education but also with job opportunities.

BComm Honours in Finance

Program Requirements

BComm Honours in Finance (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside the John Molson School of Business

30 credits from the Honours in Finance

6 credits of elective courses chosen by the student

Honours in Finance (30 credits)

6 credits:

- FINA 385 Theory of Finance I (3.00)
- FINA 395 Theory of Finance II (3.00)

18 credits of additional 400level courses offered by the Department

6 credits:

- FINA 495 Honours Seminar in Finance (6.00)

Notes

- Students are eligible to apply to the honours program if they have completed FINA 385, FINA 395, and six additional credits in Finance. Applicants must have achieved a minimum cumulative GPA of 3.3 and a minimum GPA of 3.5 in their Finance courses. Enrolment in this program is limited. The selection process may include recommendations from faculty members as well as interviews of applicants to this program. The deadline for applications is March 1.
- Students must maintain a minimum cumulative GPA of 3.3, a minimum GPA of 3.5 in their Finance courses and achieve a minimum grade of B+ in FINA 495 to remain in the honours program. Students who are withdrawn from the honours program may proceed in the Major in Finance.

BComm Major in Finance

Program Requirements

BComm Major in Finance (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside the John Molson School of Business

24 credits from the Major in Finance

12 credits of elective courses chosen by the student

Major in Finance (24 credits)

6 credits:

- FINA 385 Theory of Finance I (3.00)
- FINA 395 Theory of Finance II (3.00)

18 credits of additional 400-level courses offered by the Department

Minor in Finance

Program Requirements

Minor in Finance (12 credits)

6 credits:

- FINA 385 Theory of Finance I (3.00)
- FINA 395 Theory of Finance II (3.00)

6 credits of additional 400-level courses offered by the Department

Finance Co-operative Program

The Co-op Program

The Finance co-operative program is offered to students who are enrolled in the BComm program and are majoring in Finance. The academic content of the co-op program is identical to that of the regular program, but three work terms are interspersed with six study terms.

Students are supervised individually and must meet the requirements specified by both the John Molson School of Business and the Institute for Co-operative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers, and the Institute for Co-operative Education is provided by the Finance co-op academic director and the co-op committee.

Please refer to Institute for Co-operative Education of this Calendar for a full description of the co-operative format of the program.

Department of Finance Courses

FINA 200 Personal Finance (3 credits)

Description:

This course is offered online. It is designed to help individuals better manage their current and future financial affairs. The course introduces the terminology and basic concepts underlying personal financial management. It helps students set goals and develop skills to conduct basic research when making personal financial decisions. The topics covered include financial planning, money management, personal income taxes, costs of consumer credit, concepts of time value of money, investing in stocks, bonds and mutual funds, mortgages, and retirement planning.

Component(s):

"Lecture"

Notes:

- Students enrolled in the BComm Major in Finance and Minor in Finance may not take this course for credit towards their major or minor.
- Students who have received credit for this topic under a COMM 499 number may not take this course for credit.

FINA 210 Introduction to Real Estate (3 credits)

Description:

This course introduces the concepts, principles, analytical methods and tools used for investment, development, and evaluation of real estate assets. The course focuses on issues such as market and feasibility analysis, investment property analysis, forms of ownership, valuation by alternate approaches, mortgages, borrower-lender relationships, investing in income property, commercial.

Component(s):

"Lecture"

Notes:

- Students enrolled in the BComm Major in Finance and Minor in Finance may not take this course for credit towards their major or minor.
- Students who have received credit for FINA 450 or for this topic under a COMM 499 number may not take this course for credit.

FINA 230 Introduction to Financial Management (3 credits)

Description:

This course provides an overview of financial management and introduces the basic terms as well as the role finance plays in the firm and in markets. Specifically, this course covers the following topics: the importance of a working knowledge of finance to non-business students; the role of the financial manager; the differences between accounting income and cash flow and between book value and market value; the role of interest rates in the Canadian economy; the interpretation of financial ratios; the concept of time value of money; and making financial decisions.

Component(s):

"Lecture"

Notes:

- John Molson School of Business students may not take this course for credit. This course does not count towards the requirements for the Minor in Business Studies.
- Students who have received credit for this topic under a COMM 299 number may not take this course for credit.

FINA 310 Real Estate Development and Entrepreneurship (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 309; FINA 210 or FINA 450.

Description:

This course focuses on fundamental concepts and analytic tools applied in real estate development. It incorporates the interdisciplinary character and the entrepreneurial nature of the development process. It covers different interactive stages and discusses the roles and motivations of various stakeholders involved in this decision- making process. In addition to the analysis of financial returns, this course may include discussion on the economic, social and environmental costs and benefits. Pedagogical methods include lectures, guest speakers, case studies, group project and field trip/property tour.

Component(s):

"Lecture"

FINA 320 Real Estate Investment (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 309; FINA 210.

Description:

This course focuses on analytical tools used for making commercial real estate investment decisions. It introduces students to methods of estimating and analyzing basic measures of performance at the property level. Students learn how to identify financial risks associated with real estate investment and prepare discount cash flow analyses for the projected holding periods. Topics covered include real estate market analysis, investment due diligence, environmental assessment, advanced leasing concepts, property valuation, advanced cash flow forecasting and investment valuation. Pedagogical methods include lectures, the use of cash flow forecasting software, class discussion on contemporary issues in the real estate market, guest speakers, case studies and a real estate investment group project.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FINA 450 may not take this course for credit.

FINA 355 Topics in Real Estate (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FINA 210.

Description:

This course is intended primarily to provide an opportunity for more intensive study in one or more specific topics in real estate. The topic will vary according to the special interests of the professor and the students.

Component(s):

"Lecture"

Notes:

- Specific topics for this course are stated in the Undergraduate Class Schedule.

FINA 370 International Financial Management (3 credits)

(also listed as IBUS 370)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 221, COMM 309 .

Description:

This course is designed for students to acquire and demonstrate knowledge of the fundamental principles and issues in international financial management. It covers such topics as foreign exchange markets, exchange rate behaviour, structure and meaning of the international balance of payments, the functioning of fixed and floating exchange rate systems, short- and long-term investment and borrowing decisions, euro-currency markets, foreign exchange risk management, and capital budgeting decisions for overseas investment. In sum, the topics are covered from the perspective of an individual who wishes to know how the international financial environment will affect the firm.

Notes:

- Finance Majors and Minors may not take this course for credit toward their major or minor.
- Students who have received credit for IBUS 370 or FINA 470 may not take this course for credit.

FINA 382 Management of International Financial Institutions (3 credits)

(also listed as IBUS 382)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 211, COMM 309.

Description:

This course provides students with an understanding of challenges and opportunities that banks and other financial institutions face in their global operations. It covers operations of financial firms in mature as well as emerging markets. Topics include an assessment of opportunities in foreign markets and difficulties that financial institutions face when dealing with unfamiliar economic and political environments; unique operations and challenges in international markets such as microfinance, international loans, project financing and assessment of political or sovereign risks, importance of global regulation and governance, and ethical issues associated with international operations within the financial services industry.

Component(s):

"Lecture"

Notes:

- Finance Majors and Minors may not take this course for credit toward their major or minor.
- Students who have received credit for FINA 482 or IBUS 382, or for this topic under a FINA 455 or IBUS 471 number, may not take this course for credit.

FINA 385 Theory of Finance I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 221, COMM 309.

Description:

This course is the first of two that provide a theoretical foundation upon which subsequent 400-level courses will be built. The course examines the allocation of capital in financial markets and the determination of the relative prices of financial assets. Topics covered include utility theory, arbitrage pricing theory, and asset pricing models such as the Capital Asset Pricing Model and the option pricing model. Applications explored include arbitrage, the design of markets and the appropriate responses of individuals and firms to changes in market conditions as well as to market imperfections.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MACF 301 may not take this course for credit.

FINA 395 Theory of Finance II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 221, COMM 309.The following course must be completed previouslyor concurrently: FINA 385.

Description:

This course focuses on the financial theory of the firm and examines the Modigliani-Miller propositions, agency theory, and asymmetric information theory. Topics covered include capital structure and the cost of capital, investment and financing decisions, real options, valuation and issuance of new securities, mergers and acquisitions, and leveraged buyout decisions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FINA 390 or FINA 400 may not take this course for credit.

FINA 402 Short-Term Financial Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 380 or FINA 385; and FINA 390 or FINA 395.

Description:

This course is concerned with the key aspects of short-term financial management. It begins with a brief coverage of the institutional environment facing the financial manager in Canada. A detailed coverage of sources for short-term borrowing and investments is presented. The structure of the Canadian financial system along with a description of the various methods of effecting payments as well as the clearing and settlement system are covered. Topics in overall liquidity management are briefly reviewed from a theoretical perspective. Traditional subjects in cash management such as collections, disbursement and control, forecasting, company bank relationship, short-term investment, and borrowing are examined next. Such new developments as electronic data interchange and EFT/POS are also examined. The course also provides a coverage of trade credit both from a theoretical positive standpoint and a normative viewpoint.

Component(s):

"Lecture"

FINA 405 Cases in Finance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 380 or FINA 385; FINA 390 or FINA 395.

Description:

This course uses case discussions to focus on the application of the principles of finance learned in FINA 385 and FINA 395 in realworld contexts. Cases cover topics in corporate finance, investments, and financial markets and institutions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FINA 490 may not take this course for credit.

FINA 408 Building and Testing Trading Systems Using Technical Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 385 and FINA 395.

Description:

This course provides a basic level of understanding of various technical analysis methodologies that are used by investment professionals and the investing public. The course examines market microstructure and order entry mechanics, high-frequency trading, behavioural finance and the efficient market hypothesis. The main topics include analysis of price charts to forecast future price trends and patterns, development and testing of a trading system, Dow theory, moving averages, momentum, sentiment, relative strength and intermarket analysis. This course is an excellent preparation for several investment industry designations. Pedagogical methods include lectures, a presentation by an industry expert, and a group project to build and test a trading system using simulation and investment software in the John Dobson – Formula Growth Investment Room.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a FINA 455 number may not take this course for credit.

FINA 409 Applied Investment Analysis (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course focuses on evaluating stocks using modern valuation methods. The main topics include understanding the different investment styles, reading and interpreting financial statements from an investor's perspective, industry analysis and stock analysis. Pedagogical methods include lectures, discussion of books, presentations by industry experts, use of the Formula Growth Investment Room and evaluation of potential companies for investment purposes.

Notes:

- Students who have received credit for FINA 410 or for this topic under a FINA 455 number may not take this course for credit.

FINA 410 Investment Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 385 and FINA 395.

Description:

This course focuses on investment valuation, particularly equity valuation, from the viewpoints of both the individual investor and the institutional investor. Students learn how to analyze industries, sectors and individual companies. Topics include a range of valuation models such as the dividend discount model, the comparable assets model, and the free cash flow model, to determine the intrinsic value of a stock. Students learn how to use investment tools such as Bloomberg for investment analysis. Students are required to prepare an industry analysis and stock recommendation using live data at the end of the course.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FINA 409 may not take this course for credit.

FINA 411 Portfolio Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 385; FINA 395.

Description:

This course focuses on modern investment theory and its application to portfolio management for individuals and institutions, such as mutual funds, hedge funds, pension plans and endowments. Topics include: a) construction of optimal portfolios, b) theory and tests of the classic capital asset pricing models, c) arbitrage pricing theory and multifactor models, d) criteria for evaluation of investment performance, and e) some of the latest strategies in active and passive portfolio management. In addition to the textbook, students read journal articles, discuss cases and learn investment software in the John Dobson – Formula Growth Investment Room.

Component(s):

"Lecture"

FINA 412 Options and Futures (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 380 or FINA 385; FINA 390 or FINA 395.

Description:

This course is a comprehensive analysis of the options and futures markets in North America. The student is introduced to the different markets for these instruments and their institutional details. The different types of options and futures currently trading are examined. The principles of valuation of futures and options, their use in risk management through hedging techniques and their use in speculative strategies are studied. Emphasis is placed on the analysis of financial options and futures.

Component(s):

"Lecture"

FINA 413 Advanced Topics in Derivative Markets (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FINA 412.

Description:

This course focuses on advanced topics in the area of derivatives. Topics covered include the valuation of derivatives using numerical procedures and martingales, modelling the term structure of interest rates, valuation of interest rate swaps, interest rate options, caps, floors, swaptions and exotic options, and application of derivatives in risk management such as value at risk models, estimation of volatility and credit risk derivatives.

Component(s):

"Lecture"

FINA 415 Mergers and Acquisitions (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 380 or FINA 385; and FINA 390 or FINA 395.

Description:

This course examines the financial aspects of mergers and acquisitions. Basic financial theory and empirical evidence related to corporate control activity is discussed. Some of the topics covered include target identification and valuation, bidding strategies, defensive strategies, financing strategies and growth by acquisition strategies. In addition, going private transactions such as leverage buyouts and management buyouts are discussed.

Component(s):

"Lecture"

FINA 416 Behavioural Finance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 385; FINA 395.

Description:

This course examines how the behaviour of managers, boards of directors, or financial analysts deviates from models of "rational" behaviour in some situations, and how these deviations affect shareholder wealth. The course explores how behavioural characteristics like mental accounting, overconfidence, herding, framing and loss aversion cause the assumptions of rational economic behaviour to break down at both the individual and systemic levels.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a FINA 455 number may not take this course for credit.

FINA 420 Real Estate Finance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 309, FINA 210.

Description:

The course focuses on concepts, principles and analytical methods of real estate finance. It begins with a comprehensive investigation of mortgages from the perspective of both borrowers and lenders. The basics are then applied to analyze mortgage risk, commercial mortgage-backed securities (CMBS), market and mortgage securitization, as well as investment decisions on acquisition and financing of commercial real estate assets. Pedagogical methods include lectures, class discussions on contemporary issues, guest speakers, case studies, group project and risk analysis of mortgage-backed securities.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FINA 450 may not take this course for credit.

FINA 421 Sustainable Investments (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FINA 385. The following course must be completed previously or concurrently: FINA 390 or FINA 395.

Description:

This course presents the framework, analysis, and metrics involved in the growing practice of factoring sustainability into investment strategy, especially as it pertains to financial measurement of environmental, social, and governance (ESG) risks and opportunities. The course highlights the actions taken by investors, policymakers, central banks, regulators, and data providers to recognize ESG factors and help investors navigate the risks and opportunities presented by them.

FINA 455 Seminar in Finance (3 credits)

Description:

This course is intended primarily for Finance Majors and Minors. It provides an opportunity for more intensive study in one or more specific topics of finance. The topic varies according to the special interests of the professor and the students. Enrolment is restricted and is subject to departmental approval.

Component(s):

"Lecture"

Notes:

- Specific topics for this course and prerequisites relevant in each case are stated in the Undergraduate Class Schedule.

FINA 465 Trading in Financial Securities (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 409 or FINA 410; and FINA 412.

Description:

This course focuses on developing practical skills in trading financial securities. Topics covered include general trading practices, fundamental and technical analysis, term structure of interest rates, arbitrage opportunities, and trading strategies using options, futures and options on futures contracts. Speakers from the finance industry are also invited to share their experiences with the students.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under FINA 455 may not take this course for credit.

FINA 470 International Finance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 385; FINA 395.

Description:

This course introduces students to the essentials of international financial management. After a brief introduction to the international monetary system, we study the organization of the foreign currency and international financial markets. The course then discusses the determinants of exchange rates, followed by a discussion of the risks that businesses operating in international markets face due to changing exchange rates and financial turmoil in international financial markets. The subsequent sections of the course are devoted to understanding techniques and strategies for managing different types of exchange risks after various foreign currency derivatives — forward, futures, options and swaps — have been studied.

Component(s):

"Lecture"

Notes:

- This course is offered for BComm Major in Finance and Minor in Finance only.
- Students who have received credit for FINA 370 or IBUS 370 may not take this course for credit.

FINA 471 Multinational Financial Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FINA 470.

Description:

This course addresses advanced issues that corporations or investors face when they expand their operations in the international markets. Corporations face challenges in the areas of international capital budgeting, determining their cost of capital and their capital structure, assessment of political risk, international working capital management, financing international trade and international corporate governance. This course discusses how these decisions become more complex in an international environment due to changing exchange rates and multiplicity of economic and political environments. The course also addresses the difficulties of choosing appropriate pricing models in an international context.

Component(s):

"Lecture"

FINA 481 Management of Financial Institutions (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FINA 385; FINA 395.

Description:

This course provides students with an integrating framework for examining various types of financial institutions and the means of managing their operations. Topics include uniqueness of financial institutions; application of portfolio and corporate finance theories to the management of assets, liabilities, capital structure and off-balance sheet operations; interest rate and liquidity risk exposure; loan portfolio management, loan pricing and credit rationing; capital adequacy and regulatory environment. The strategic repercussions for such institutions, given the rapidly changing financial and regulatory environments, are also reviewed through the analysis of cases illustrating current issues.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FINA 480 may not take this course for credit.

FINA 482 International Banking: Operations, Policy and Strategy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: FINA 481.

Description:

This course provides students with an integrating framework to understand the risks, challenges and opportunities that banks face in their global operations. The course covers both commercial and investment banking activities in mature as well as emerging markets. The course begins with an examination of opportunities that foreign markets offer as well as difficulties that banks face when dealing with unfamiliar economic and political environments abroad. This is followed by a discussion of banking operations in international and foreign markets. Topics for this discussion may include microfinance, international loans, project financing and an assessment of political or sovereign risks. The impact of foreign operations on mitigation or enhancement of various risks associated with home country operations is examined. The course also examines the importance of global regulation as well as governance and ethical issues associated with international banking.

Component(s):

"Lecture"

Notes:

- This course is offered for BComm Major in Finance and Minor in Finance only.
- Students who have received credit for FINA 382 or IBUS 382, or for this topic under a FINA 455 or IBUS 471 number, may not take this course for credit.

FINA 495 Honours Seminar in Finance (6 credits)

Prerequisite/Corequisite:

Enrolment in the BComm Honours in Finance program is required.

Description:

In the first term, the seminar covers methodology and recent advances in research in topics covered in the Finance curriculum. In addition, students begin working on a thesis/project to be conducted under the supervision of a faculty member. In the second term, students complete their thesis/project and are required to submit a written report to be presented at the seminar at the end of the term.

Component(s):

"Lecture"

Notes:

- This seminar is offered to honours students in Finance over a period of two terms.

Section 61.80 International Business

International Business

International Business Programs

- BComm Major in International Business
- Minor in International Business

International Business Co-operative Program

International Business Courses

International Business

Program Objectives

The globalization of business is increasing the demand for managers who are comfortable working in a variety of diverse and multicultural environments. The Major in International Business is an attractive and exciting preparation for such a career.

International business issues are examined from a strategic perspective and students are also exposed to several disciplines including international management, marketing, and finance, as well as international aspects of politics, economics, and sociology.

Students are strongly encouraged to enrol in language courses as elective courses. Adding a minor in a more specific discipline of interest is also suggested to further complement this program.

Participation in the International Student Exchange Program is also highly recommended. This experience will add a more relevant and unique perspective to the overall scope of this exciting degree.

BComm Major in International Business

Program Requirements

BComm Major in International Business (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside the John Molson School of Business

24 credits from the Major in International Business

12 credits of elective courses chosen by the student

Major in International Business (24 credits)

6 credits:

- IBUS 466 Management of Multinational Corporations (3.00)
- IBUS 492 Cross-Cultural Communications and Management (3.00)

18 credits of additional courses chosen from:

Major in International Business Group A

Major in International Business Group B

Students may take a maximum of six credits from the Major in International Business Group B

Major in International Business Group A

- IBUS 370 International Financial Management (3.00)
- IBUS 382 Management of International Financial Institutions (3.00)
- IBUS 465 International Marketing Management (3.00)
- IBUS 471 Topics in International Business (3.00)
- IBUS 493 International Business Law (3.00)
- MANA 374 Sustainable Management (3.00)

Major in International Business Group B

- ECON 319 International Economic Policy and Institutions (3.00)
- POLI 305 International Political Economy (3.00)
- POLI 311 International Public Law (3.00)

- POLI 315 International Organizations (3.00)
- POLI 394 Globalization and Sustainable Development (3.00)

Minor in International Business

Program Requirements

Minor in International Business (12 credits)

6 credits:

- IBUS 466 Management of Multinational Corporations (3.00)
- IBUS 492 Cross-Cultural Communications and Management (3.00)

6 credits of additional courses chosen from:

- IBUS 370 International Financial Management (3.00)
- IBUS 382 Management of International Financial Institutions (3.00)
- IBUS 465 International Marketing Management (3.00)
- IBUS 471 Topics in International Business (3.00)
- IBUS 493 International Business Law (3.00)
- MANA 374 Sustainable Management (3.00)

International Business Co-operative Program

The Co-op Program

The International Business co-operative program is offered to students who are enrolled in the BComm Bachelor of/Baccalaureate in Commerce program and are majoring in International Business.

The academic content of the co-op program is identical to that of the regular program, but three work terms are interspersed with six study terms.

Students are supervised individually and must meet the requirements specified by the John Molson School of Business and the Institute for Cooperative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers, and the Institute for Cooperative Education is provided by the International Business co-op academic director and the co-op committee.

Please refer to Section 24 Institute for Cooperative Education of this Calendar for a full description of the co-operative format of the program.

International Business Courses

IBUS 370 International Financial Management (3 credits)

(also listed as FINA 370)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 221, COMM 309.

Description:

This course is designed for students to acquire and demonstrate knowledge of the fundamental principles and issues in international financial management. It covers such topics as foreign exchange markets, exchange rate behaviour, structure and meaning of the international balance of payments, the functioning of fixed and floating exchange rate systems, short- and long-term investment and borrowing decisions, euro-currency markets, foreign exchange risk management, and capital budgeting decisions for overseas investment. In sum, the topics are covered from the perspective of an individual who wishes to know how the international financial environment will affect the firm.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FINA 370 may not take this course for credit.

IBUS 382 Management of International Financial Institutions (3 credits)

(also listed as FINA 382)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 211, COMM 309.

Description:

This course provides students with an understanding of challenges and opportunities that banks and other financial institutions face in their global operations. It covers operations of financial firms in mature as well as emerging markets. Topics include an assessment of opportunities in foreign markets and difficulties that financial institutions face when dealing with unfamiliar economic and political environments; unique operations and challenges in international markets such as microfinance, international loans, project financing and assessment of political or sovereign risks, importance of global regulation and governance and ethical issues associated with international operations within the financial services industry.

Component(s):

"Lecture"

Notes:

- Students enrolled in the BComm Major in Finance or the Minor in Finance may not take this course for credit.
- Students who have received credit for FINA 382 or FINA 482, or for this topic under a FINA 455 or IBUS 471 number, may not take this course for credit.

IBUS 465 International Marketing Management (3 credits)

(also listed as MARK 465)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 211; and COMM 223 or MARK 201.

Description:

In this course, students explore international marketing frameworks. Students exercise critical thinking and analytical skills to address international marketing opportunities and challenges across various organizations. They learn to identify and manage both controllable and uncontrollable variables, as well as issues related to ethical practices, environmental impact, sustainability and governance, all of which shape international marketing tactics. The course focuses on the marketing mix, with an emphasis on the differences and similarities in marketing products and services across various cross-cultural and international contexts. Various pedagogical methods, including a term project, help students develop the knowledge and skills needed to understand and apply marketing concepts in international settings.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MARK 465 may not take this course for credit.

IBUS 466 Management of Multinational Corporations (3 credits)

(also listed as MANA 466)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 211, COMM 227.

Description:

This course introduces the challenges of managing sustainable multinational operations. It addresses themes of globalization and issues in managing global competition and local responsiveness in multiple institutional and cultural environments. The course gives students an appreciation of international competitive and collaborative strategies and the corresponding coordination and control mechanism of multinational corporations. It also highlights the issues of global governance and social responsibility as well as the differences and similarities of management techniques across national borders. Finally, the course examines the future of multinational corporations in the context of global financial, social, and environmental crises.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MANA 466 may not take this course for credit.

IBUS 471 Topics in International Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 211.

Description:

This course is intended primarily to provide an opportunity for more intensive study in one or more specific topics of international business. The topic will vary according to the special interests of the professor and the students.

Component(s):

"Lecture"

Notes:

- Specific topics for this course and prerequisites relevant in each case are stated in the Undergraduate Class Schedule.

IBUS 492 Cross-Cultural Communications and Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 211; COMM 223 or MARK 201.

Description:

In this course, students explore various cross-cultural management and communication frameworks. Blending theory and practice, this course helps students develop cross-cultural sensitivity and competencies. Topics include cross-cultural negotiations, team management, consumer behaviour, leadership, and other critical aspects of the international business landscape. Students learn management best practices in an international context and thus develop the ability to avoid common pitfalls and to contribute effectively to international business operations. By completing this course, students develop the skills to manage and communicate effectively in international business environments and drive success in today's dynamic and culturally diverse global marketplace.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MARK 492 may not take this course for credit.

IBUS 493 International Business Law (3 credits)

(also listed as MANA 493)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 316; IBUS 466 or MANA 466.

Description:

This course familiarizes business students with the principles of international private and public law that they may encounter in today's fast-paced world of multinational corporations and global business transactions. Topics include international trade organizations and treaties; principles relating to international sales contract performance and dispute resolution alternatives; international payment using bills of exchange and letters of credit; labour in a global economy including child labour and human trafficking issues; international environmental law, waste disposal and pollution issues; as well as the protection of intellectual property rights.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MANA 493 may not take this course for credit.

Section 61.90 Department of Management

Department of Management

Management Programs

Entrepreneurship

Minor in Entrepreneurship

Human Resource Management

BComm Major in Human Resource Management

Minor in Human Resource Management

Management

BComm Honours in Management

BComm Major in Management

Minor in Management

Management Co-operative Program

Department of Management Courses

Department of Management

Note

For the complete list of faculty members, please consult the Department website:

concordia.ca/jmsb/about/departments/management.html

Department Objectives

The 21st century requires citizens and organizational leaders who can motivate and work with people, manage the complexities of organizations and their environments, and create wealth in a socially and ecologically sustainable manner. To prepare students for the challenges set by these diverse forces, the Management Department provides a curriculum that reflects the multidisciplinary nature of management and the interdependence among people, organizations, and society. Specific areas of study include organizational behaviour, business strategy, human resource management, entrepreneurship, and business law. The Department employs an applied pedagogy, focusing on experiential learning, case analysis, and oral and written reflections.

Minor in Entrepreneurship

Program Requirements

Minor in Entrepreneurship (12 credits)

12 credits chosen from:

- MANA 447 Leadership and Motivation (3.00)
- MANA 451 Managing a Small Business (3.00)
- MANA 478 Entrepreneurial Company Law (3.00)
- MANA 480 Entrepreneurial Family Business (3.00)
- MANA 481 Management Consulting (3.00)
- MANA 482 Financing of Entrepreneurial Ventures (3.00)

BComm Major in Human Resource Management

Program Requirements

BComm Major in Human Resource Management (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside of the John Molson School of Business

24 credits from the Major in Human Resource Management

12 credits of elective courses chosen by the student

Major in Human Resource Management (24 credits)

24 credits:

- MANA 341 Organization Theory and Design (3.00)
- MANA 366 Labour Relations and Collective Bargaining (3.00)
- MANA 420 Management Research for Decision Making (3.00)
- MANA 443 Compensation and Benefits Management (3.00)
- MANA 444 Training and Development (3.00)
- MANA 445 Health and Safety Management (3.00)
- MANA 446 Workplace Planning and Staffing (3.00)
- MANA 463 Strategic Human Resource Management (3.00)

Minor in Human Resource Management

Program Requirements

Minor in Human Resource Management (12 credits)

12 credits chosen from:

- MANA 366 Labour Relations and Collective Bargaining (3.00)
- MANA 443 Compensation and Benefits Management (3.00)
- MANA 444 Training and Development (3.00)
- MANA 445 Health and Safety Management (3.00)
- MANA 446 Workplace Planning and Staffing (3.00)
- MANA 463 Strategic Human Resource Management (3.00)

BComm Honours in Management

Program Requirements

BComm Honours in Management (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside the John Molson School of Business

30 credits from the Honours in Management

6 credits of elective courses chosen by the student

Honours in Management (30 credits)

15 credits:

- MANA 341 Organization Theory and Design (3.00)
- MANA 343 Communication and Negotiation (3.00)
- MANA 390 Honours Seminar in Management I (3.00)
- MANA 420 Management Research for Decision Making (3.00)
- MANA 490 Honours Seminar in Management II (3.00)

6 credits chosen from:

- MANA 369 Business and Sustainability (3.00)
- MANA 451 Managing a Small Business (3.00)
- MANA 478 Entrepreneurial Company Law (3.00)
- MANA 481 Management Consulting (3.00)

9 credits of additional 300- or 400-level courses offered by the Department

Notes

- Students are eligible for admission to the honours program if they have achieved a minimum cumulative GPA of 3.30. Enrolment in this program is limited. The selection process may include recommendations from faculty members as well as interviews of applicants to this program. The deadline for applications is May 1 for admission to the following fall term.
- Students must maintain minimum cumulative and assessment GPAs of 3.30 to remain in the honours program in accordance with the Faculty regulations. The minimum acceptable grade in any course is normally "C." Students who are withdrawn from the honours program may proceed in the Major in Management.

BComm Major in Management

Program Requirements

BComm Major in Management (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside the John Molson School of Business

24 credits from the Major in Management

12 credits of elective courses chosen by the student

Major in Management (24 credits)

6 credits:

- MANA 341 Organization Theory and Design (3.00)
- MANA 420 Management Research for Decision Making (3.00)

15 credits of additional 300- or 400-level courses offered by the Department

3 credits:

- IBUS 492 Cross-Cultural Communications and Management (3.00)

Minor in Management

Program Requirements

Minor in Management (12 credits)

6 credits:

- MANA 341 Organization Theory and Design (3.00)
- MANA 420 Management Research for Decision Making (3.00)

6 credits of additional 300 or 400level courses offered by the Department

Management Co-operative Program

The Co-op Program

The Management co-operative program is offered to students who are enrolled in the BComm program and are majoring in Human Resource Management.

The academic content of the co-op program is identical to that of the regular program, but three work terms are interspersed with six study terms.

Students are supervised individually and must meet the requirements specified by both the John Molson School of Business and the Institute for Co-operative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers, and the Institute for Co-operative Education is provided by the Management co-op academic director and the co-op committee.

Please refer to Institute for Co-operative Education of this Calendar for a full description of the co-operative format of the program.

Department of Management Courses

MANA 201 Introduction to Business and Management (3 credits)

Description:

This course introduces students to the basic principles of management within a contemporary business context. The managerial process is explored in relation to issues such as organizational structure and innovation in large and small organizations, strategy formulation and planning, operations and marketing management. Students are exposed to in-depth industry and market analysis methods and do research pertaining to their chosen industry. The course includes basic readings in management and contemporary text from business publications. Particular focus is placed on entrepreneurship and its impact and value on economic and social systems.

Component(s):

"Lecture"

Notes:

- John Molson School of Business students may not take this course for credit. Students entering the BComm or BAdmin program as of September 2013 may not take this course for credit.
- Students who have received credit for ADMI 201, ADMI 202, MANA 266, or COMM 210 may not take this course for credit.

MANA 202 Human Behaviour in Organizations (3 credits)

Description:

This course seeks to give students an understanding of behaviour in the workplace, the factors that influence behaviour, and the relationships among these factors. Conceptual frameworks, case discussions, and self-assessment tools complement the course material. Topics include personality and learning, motivation, group dynamics, teamwork and diversity, influence and leadership, and stress management.

Component(s):

"Lecture"

Notes:

- John Molson School of Business students may not take this course for credit. Students entering the BComm or BAdmin program as of September 2013 may not take this course for credit.
- Students who have received credit for MANA 213 or COMM 222 may not take this course for credit.

MANA 298 Business Law (3 credits)

Description:

This course allows students to develop a degree of familiarity with the legal environment in which business organizations operate. Students are introduced to the topics of employment law, the Quebec Charter of Human Rights, representation and power of attorney, corporate law, contract law, civil liability and product safety, as well as other important legal aspects of business.

Component(s):

"Lecture"

Notes:

- John Molson School of Business students may not take this course for credit.
- Students who have received credit for MANA 211 may not take this course for credit.

MANA 300 Entrepreneurship: Launching Your Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ADMI 201 or ADMI 202 or MANA 201. Students must have completed 60 credits in a non-business program prior to enrolling. If prerequisites are not satisfied, written permission of the Department of Management is required.

Description:

This final-year course offers students the opportunity to learn how to capitalize on their domain-specific knowledge and recognize opportunities for self-employment or new venture creation. The course presumes that students have already developed an interest in entrepreneurial careers within their respective fields of study. The first phase of the course reviews fundamental concepts and issues in entrepreneurship and related business fields. The second phase introduces students to the elements of business planning in the context of entrepreneurial projects, followed by the third phase where students formulate their own business plans.

Component(s):

"Lecture"

Notes:

- John Molson School of Business students may not take this course for credit. This course does not count toward the requirements of the Minor in Business Studies.

MANA 341 Organization Theory and Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 227.

Description:

This course provides the student with a basis for understanding and critically examining complex organizations in contemporary society. Interrelationships among the social, cultural, and formal properties of organizations are examined and linked to contextual forces in the external environment. Emphasis is placed on the analysis of organizational systems for the purpose of improving integration, adaptation, survival, and effectiveness of organizations.

Component(s):

"Lecture"

MANA 343 Communication and Negotiation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: COMM 227; or MANA 201 and MANA 202.

Description:

This course focuses on the communication skills that lead to successful interaction with others in business settings. Topics include designing and delivering effective written and oral messages, communicating with internal and external stakeholders, negotiating, and resolving conflict. Pedagogical methods include in-class exercises, case studies, presentations, and report writing.

Component(s):

"Lecture"

MANA 362 Human Resource Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 222; or MANA 201 and MANA 202.

Description:

This course provides a background in the theory and practice of human resource management. It covers the core areas of human resource management, mainly human resource planning, recruitment, staffing, performance appraisal, career planning, labour relations, compensation, and international human resource management.

Component(s):

"Lecture"

MANA 366 Labour Relations and Collective Bargaining (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 227.

Description:

This course provides a broad overview of the employment relationship in unionized workplaces. Topics include union organizing, collective bargaining, third-party intervention during negotiations, strikes and lockouts, grievances and grievance arbitration, and unfair labour practices. Both private sector and public sector labour relations issues are covered.

Component(s):

"Lecture"

MANA 369 Business and Sustainability (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or COMM 224 or MARK 201.

Description:

This course explores the role of business in developing a sustainable global society. Students explore current environmental and societal concerns and the role of business in influencing them. Students learn how the relationships between business and various stakeholders, including communities, governments, and the natural environment, can create opportunities for generating economic, environmental, and social value.

Component(s):

"Lecture"

MANA 374 Sustainable Management (3 credits)

Description:

This course focuses on the emerging business environment, and how organizations implement ecologically, socially, and economically sustainable management. Sustainable strategies are explored within the context of global economic development, to develop organizational vision, products and processes for achieving long-term sustainable prosperity.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this course under a MANA 299 or COMM 299 number may not take this course for credit.

MANA 390 Honours Seminar in Management I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two 300-level MANA courses; COMM 316; MANA 341, and MANA 420 . Enrolment in the Honours in Management is required.

Description:

This course provides students with an opportunity to carry out an in-depth investigation of a selected business problem in small business management, communication within and beyond the workplace, or related fields. In this applied learning experience, students select a topic related to their area of interest, design and complete an individual research project in collaboration with faculty supervisors, or managers in for- profit and/or non-profit organizations. Students give a poster presentation at the end of the term.

Component(s):

"Lecture"

MANA 420 Management Research for Decision Making (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 214, COMM 227.

Description:

This course explains the relevance of management research for business and administrative decision making. Topics include conducting employee surveys, observational and interview methods, program evaluation, data analysis and interpretation, and the ethics of gathering information from human participants. Students evaluate the validity of reports of management research, learn to exercise caution in accepting research conclusions, and get hands-on experience with basic research techniques.

Component(s):

"Lecture"

MANA 443 Compensation and Benefits Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 229.

Description:

This course provides a general knowledge of the concepts, design, methodology, management and administration of compensation and benefit programs within organizations. Major topics include job evaluation, knowledge based pay, pay for performance, alternative reward systems, government and employer provided benefit programs. The primary emphasis is on the design of appropriate policies and programs and how these can help support organizational objectives and strategies.

Component(s):

"Lecture"

MANA 444 Training and Development (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 229.

Description:

This course covers different approaches and methods related to training and developing employees. Topics include how training needs are assessed, how effective training programs are designed, how to ensure that learning achieved in training is transferred to the work, and how training programs are evaluated. Emerging issues such as career management and mentoring programs are discussed.

Component(s):

"Lecture"

MANA 445 Health and Safety Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 229.

Description:

This course examines the critical aspects of health and safety administration within organizations. It provides a brief overview of the relevant legislation and focuses upon prevention, causes, detection, intervention, reintegration,

epidemiological and clinical investigation, and health development. Physical and psychological aspects of health and safety are examined.

Component(s):

"Lecture"

MANA 446 Workplace Planning and Staffing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 229.

Description:

This course is designed to introduce the conceptual and analytical tools needed to staff organizations effectively with qualified employees. Topics include planning, job analysis, legal issues, recruitment, selection methods, and techniques for developing valid and reliable selection procedures. Both the strategic needs of the organization and the legal environment of contemporary organizations in Quebec and Canada are addressed.

Component(s):

"Lecture"

MANA 447 Leadership and Motivation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 227.

Description:

This course is designed to familiarize students with current research and theory on motivation and leadership, and their synergy and application in a work context. Implications for the design of reward systems and leader development are addressed. Class activities include student presentations, small group discussions, exercises, cases, and simulations.

Component(s):

"Lecture"

MANA 451 Managing a Small Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 320 or COMM 410.

Description:

This course emphasizes the operational aspects of management that are uniquely important to a small enterprise. It provides opportunity to practise operational decision making under conditions characteristic for small- and medium sized firms. Themes include strategy and planning, human resource management, marketing, operations and technology, managing the small family business, legal issues and international activities.

Component(s):

"Lecture"

MANA 461 Implementing Competitive Strategies (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 401.

Description:

Bridging the gap between the classroom and the practical day-to-day running of a contemporary business enterprise, this course explores the process by which strategy is linked to managerial action. Corporate strategy states the general direction that the organization will follow. Functional strategy is a formulation of how the business unit intends to compete in its given business sector. The course examines how functional strategies can be key instruments for the realization of business and corporate strategies.

MANA 463 Strategic Human Resource Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 229; MANA 341, and any two of the following: MANA 443, MANA 444, MANA 446.

Description:

This course is a final-year integrative seminar for Human Resource Management Majors. It focuses on the philosophies underlying current human resource management principles and policies and the processes of their implementation. The course utilizes cases to integrate human resource management areas such as recruitment, selection, training, performance appraisal, compensation, and benefits administration.

Component(s):

"Lecture"

MANA 466 Management of Multinational Corporations (3 credits)

(also listed as IBUS 466)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 211, COMM 227.

Description:

This course introduces the challenges of managing sustainable multinational operations. It addresses themes of globalization and issues in managing global competition and local responsiveness in multiple institutional and cultural environments. The course gives students an appreciation of international competitive and collaborative strategies and the corresponding coordination and control mechanism of multinational corporations. It also highlights the issues of global governance and social responsibility as well as the differences and similarities of management techniques across national borders. Finally, the course examines the future of multinational corporations in the context of global financial, social, and environmental crises.

Component(s):

"Lecture"

Notes:

- Students who have received credit for IBUS 466 may not take this course for credit.

MANA 477 Real Estate Law (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 316.

Description:

This course introduces students to the basics of Canada's legal system as it pertains to the real estate industry. It covers major areas of real estate law including real property rights, property ownership, real estate transactions, contracts, leases, mortgages and the regulation of real estate brokerage. This course may include topics such as land zoning, urban planning, environmental issues, and other issues associated with real estate development and management.

Component(s):

"Lecture"

MANA 478 Entrepreneurial Company Law (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 316.

Description:

Since many business enterprises are operated as corporations, it is important to familiarize students with the legal aspects involved in creating and managing a corporation. This course is aimed at both students who wish to set up new business enterprises and at those who wish to manage existing businesses effectively. Students study the legal process through which a corporation is set up, and examine strategically important issues relating to the control and voting of shares, unanimous shareholders' agreements, the duties and liabilities of shareholders, directors, and officers, the sale of shares and the protections provided by law to minority shareholders. The Canada Business Corporations Act (C.B.C.A.) along with other related laws, actual court cases and sample legal documents are studied.

Component(s):

"Lecture"

MANA 479 Employment Law (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 316.

Description:

This course familiarizes students with important legal issues associated with labour management through the study of the laws and relevant court cases dealing with the rights and obligations of employers and employees, labour standards,

certification of unions, strikes, lock outs, grievances, and arbitration. This course focuses primarily on the labour laws of Quebec, while examining Canadian labour issues.

Component(s):

"Lecture"

MANA 480 Entrepreneurial Family Business (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 320.

Description:

Family businesses are the predominant form of business in the world. Almost 80 per cent of new ventures are born as family firms and over 65 per cent of all Canadian firms are family firms. In these firms, family members significantly influence the business including its creation, continuity, mode and extent of growth, and exit. This course prepares students to work effectively and professionally in and with family firms to launch and create cross generational wealth in family firms.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a MANA 499 number may not take this course for credit.

MANA 481 Management Consulting (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMM 401.

Description:

This course focuses on the management consulting profession and process. It offers an examination of the different phases of the consulting process and a reflection on the role of internal consultants and the choice of management consulting as a career. It focuses on the understanding and development of core consulting skills which are essential for any type of consulting engagement, whether one works as an external or internal consultant, and whether the client is a large, medium, or entrepreneurial company, public or non profit sector organization. A major component of the course is a real world consulting project that students conduct with a client firm.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a MANA 499 number may not take this course for credit.

MANA 482 Financing of Entrepreneurial Ventures (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 320.

Description:

The course objectives are to understand the nature of the financing problem at various stages of business growth; to analyze the advantages and disadvantages of different sources of funding, including internal sources, informal sources, commercial banks, government, business angels, venture capital, and going public; and to appreciate the key elements that go into the structuring of the deal between entrepreneurs and finance providers.

Component(s):

"Lecture"

MANA 490 Honours Seminar in Management II (3 credits)

Prerequisite/Corequisite:

Students must have completed a total of 60 credits in a business program prior to enrolling, including the following course: MANA 390.

Description:

This course provides students with an opportunity to carry out an in-depth investigation of a selected business problem in small business management, sustainability, family business or related fields. Emphasis is placed on the relevance of current management research findings to managers or employees in business organizations, institutions or industries. Students select a topic related to their area of interest and carry out a research project in collaboration with faculty supervisors. Data collected from various sources including, but not limited to, interview, survey or archival sources are used to heighten the relevance of the findings to a target audience. Students write a practitioner-style article, and give an oral presentation at the end of the term. The course allows students to provide a useful service to practitioners, while deepening their understanding of key areas in management, and building a career-enhancing professional network.

Component(s):

"Seminar"; "Fieldwork"; "Reading"

MANA 493 International Business Law (3 credits)

(also listed as IBUS 493)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 316; MANA 466 or IBUS 466.

Description:

This course familiarizes business students with the principles of international private and public law that they may encounter in today's fast-paced world of multinational corporations and global business transactions. Topics include international trade organizations and treaties; principles relating to international sales contract performance and dispute resolution alternatives; international payment using bills of exchange and letters of credit; labour in a global economy including child labour and human trafficking issues; international environmental law, waste disposal and pollution issues; as well as the protection of intellectual property rights.

Component(s):

"Lecture"

Notes:

- Students who have received credit for IBUS 493 may not take this course for credit.

MANA 498 Special Topics in Human Resource Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 229; and any of the following: MANA 443, MANA 444, MANA 446.

Description:

This course is intended to complement and supplement human resource management (HRM) courses taken previously or concurrently. It offers flexibility in content that enables an emphasis on contemporary HRM literature and issues.

Component(s):

"Lecture"

Notes:

- Specific topics for this course and prerequisites relevant in each case are stated in the Undergraduate Class Schedule.

MANA 499 Special Topics in Management (3 credits)

Prerequisite/Corequisite:

Written permission of the Department is required.

Description:

Intended to complement and supplement business courses taken previously or concurrently, this course emphasizes business literature and modern thought. Students are encouraged to work independently on research topics of interest to them. Specific topics for this course and prerequisites relevant in each case are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

Notes:

- Students repeating MANA 499 register for credits under MANA 498.

Section 61.100 Department of Marketing

Department of Marketing

Marketing Programs
- BComm Major in Marketing
- Minor in Marketing

Marketing Co-operative Program

Department of Marketing Courses

Department of Marketing

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/jmsb/about/departments/marketing.html

Department Objectives

The Marketing Department seeks to cultivate in each student the skills and perspectives essential for effective and responsible marketing. Emphasis is on creating marketing strategies and plans based on a thorough understanding of consumer and industrial buying behavior.

The Department is committed to fostering a dynamic entrepreneurial orientation together with an appreciation of the essence, importance, and potential power of marketing.

BComm Major in Marketing

Program Requirements

BComm Major in Marketing (90 credits)

48 credits from the JMSB Core

6 credits of elective courses chosen from outside of the John Molson School of Business

24 credits from the Major in Marketing

12 credits of elective courses chosen by the student

Major in Marketing (24 credits)

12 credits:

- MARK 301 Marketing Analysis and Decision-Making (3.00)
- MARK 302 Marketing Research (3.00)
- MARK 305 Consumer Behaviour (3.00)
- MARK 495 Advanced Strategic Marketing (3.00)

12 credits of additional 400-level MARK courses offered by the Department

Minor in Marketing

Program Requirements

Minor in Marketing (12 credits)

6 credits:

- MARK 302 Marketing Research (3.00)
- MARK 305 Consumer Behaviour (3.00)

6 credits of additional 400-level MARK courses offered by the Department

Marketing Co-operative Program

The Co-op Program

The Marketing co-operative program is offered to students who are enrolled in the Bachelor of/Baccalaureate in Commerce (BComm) program and are majoring in Marketing. The academic content of the co-op program is identical to that of the regular program, but three work terms are interspersed with six study terms.

Students are supervised individually and must meet the requirements specified by both the John Molson School of Business and the Institute for Cooperative Education in order to continue their studies in the co-op format.

Liaison between the student, the employers, and the Institute for Cooperative Education is provided by the Marketing co-op academic director and the co-op committee.

Please refer to Section 24 Institute for Cooperative Education of this Calendar for a full description of the cooperative format of the program.

Department of Marketing Courses

Notes

The Department strongly recommends that students take MARK 302 and MARK 305 before enrolling in Marketing courses at the 400 level.

MARK 201 Introduction to Marketing (3 credits)

Description:

This course familiarizes students with the key principles and concepts of marketing. Topics covered include marketing strategy, branding, positioning, market segmentation, buyer behaviour, product development, pricing strategies, channels of distribution, and integrated marketing communications. The course also explores the important role that marketing plays in advancing society, as well as the impacts of digital technologies and global factors on marketing practices.

Component(s):

"Lecture"

Notes:

- This course is available to non-Business program students only.
- Non-Business students planning to take 300- and 400-level Marketing courses must complete this course as a prerequisite, unless otherwise specified.
  Non-Business students wishing to register in the Marketing Elective Group for Non-Business Students must complete this course as a prerequisite.
- Students who have received credit for COMM 223 may not take this course for credit.

MARK 301 Marketing Analysis and Decision-Making (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

Students develop fundamental skills to effectively address marketing challenges, with an emphasis on learning key marketing metrics, gaining exposure to data-driven analysis, and mastering a systematic decision-making methodology. The course promotes discussion-based learning through activities such as case studies and workshops. Students attain the competencies beneficial to pursuing advanced marketing courses and gain essential knowledge for success in the marketing field.

Component(s):

"Lecture"

MARK 302 Marketing Research (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

Students learn to identify research questions relevant for business and to select appropriate research methods to answer them. Students also develop the skills required to ethically gather and interpret data, using statistical techniques when appropriate. Through various pedagogical approaches, students understand the limitations of research methods and develop the skills to communicate research findings to diverse stakeholders. The course benefits students whose future careers require a thorough understanding of marketing research to make data-informed decisions, whether from the perspective of a marketing professional or that of an entrepreneur.

Component(s):

"Lecture"

MARK 305 Consumer Behaviour (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

Students explore the motivations behind consumer decisions and develop an understanding of how these decisions can influence both business and society. Through business-relevant learning activities, students also develop analytic skills to effectively address consumer needs and make data-driven decisions. This course emphasizes the application of consumer behaviour theories and concepts to tackle real-world challenges and is particularly relevant for students whose future careers require insights into human behaviour and consumer research.

Component(s):

"Lecture"

Notes:

- Although not required, it is strongly recommended that MARK 302 be taken prior to or concurrently with this course.

MARK 444 Sports Marketing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

The overall objective of the course is to familiarize students with the keys to success in each facet of sports marketing. It covers all aspects of the marketing management process in the particular context of sports marketing and allocates attention to the two major aspects: marketing through sports and marketing of sports. It deals with the marketing processes and guiding principles involved in understanding, creating, communicating and delivering value for the different types of customers in the sports industry (i.e. fans, participants, corporate sponsors, broadcasting networks, and society at large). Lectures, readings, cases, guest speakers and a major team research project/presentation are used to achieve the learning outcomes.

Component(s):

"Lecture"

Notes:

- The Department strongly recommends that students take MARK 302 and MARK 305 before enrolling in Marketing courses at the 400 level.
- Students who have received credit for this topic under a MARK 491 number may not take this course for credit.

MARK 451 Service Marketing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

Students explore the Human-Centered Experiences Service Design (HESD) framework and its applications across corporate, entrepreneurial, and community-focused contexts. Through immersive learning activities, such as collaborative workshops, theatre-based exercises, and discussions, students develop their creative and critical thinking skills. They also gain a deep understanding of the challenges associated with designing, implementing, and monitoring service components. The knowledge and skills gained from this course prepare students to effectively integrate service marketing concepts into various organizational settings, ensuring that their services are adaptable to evolving technological, ethical, economic, and socio-cultural landscapes.

Component(s):

"Lecture"

MARK 452 Digital Marketing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

In this course, students explore frameworks, tools, and acquire analytical skills needed to develop and implement digital marketing strategies in various types of organizations. Key areas covered include social media marketing, search engine optimization (SEO), search engine marketing (SEM), mobile marketing, email marketing, content management and web analytics. Students are exposed to best practices and hands-on experiential activities such as case studies and designing a digital marketing strategy. By completing this course, students learn to prioritize ethical communication and data privacy concerns while contributing to their organization's digital marketing efforts.

Component(s):

"Lecture"

MARK 453 Integrated Marketing Communications (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

In this course, students learn about the process of planning, developing, and executing effective integrated marketing communications (IMC) campaigns. The course builds on consumer behaviour principles to examine the role of diagnosis and the elements of IMC, creative, and media strategies. The roles of various communication media and tools are considered, and the roles of evaluation and key legal, ethical, and social implications of IMC are addressed. This course includes lectures and learning activities aimed at developing the strategic and critical thinking required for proficient IMC planning. By completing this course, students are able to contribute to the development of effective IMC campaigns in their respective organizations while being mindful of their implications.

Component(s):

"Lecture"

MARK 454 Personal Selling (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

This course explores the ethics of sales negotiation, relationship-building strategies, and management of the sales function in all types of organizations. Students navigate the sales process — from prospecting to closing — while learning negotiation frameworks and the effective use of methods, tactics and data. Through a mix of instructional methods, students gain practical insights and strategies to excel in sales and collaborative communication. By completing this course, students gain the skills to advance in client-facing roles and ethically navigate complex professional interactions with credibility and proficiency.

Component(s):

"Lecture"

MARK 456 Brand Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

This course explores concepts and strategies to build and manage brand equity effectively. It covers topics such as brand positioning and communications, the measurement and growth of brand equity over time, and brand social responsibility. The course integrates lectures and case studies that require the application of quantitative methods in the assessment of brand equity and brand performance. It builds on marketing research and consumer behaviour principles, linking them to brand management. This course situates brand management in a variety of organizational contexts and evolving environments.

Component(s):

"Lecture"

MARK 457 Omni-Channel Marketing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

This course explores how organizations design and manage seamless customer and stakeholder experiences across physical and digital channels. Students examine integrated marketing strategies that span retail, mobile, web, and social platforms, and consider how these strategies influence brand identity, loyalty, and performance. Students analyze real-world cases, navigate stakeholder dynamics, and develop data-informed solutions to challenges such as channel conflict and system redesign. By the end of the course, students are prepared to integrate strategies across various marketing channels, while prioritizing sustainable business models.

Component(s):

"Lecture"

MARK 458 The Marketing of Food (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or COMM 224 or MARK 201.

Description:

This course introduces students to the structure of the food industry which encompasses various entities including farmers and producers, commodity brokers, importers, distributors, packaged goods manufacturers, transformers, retailers, and restaurants, the operating realities of its key players, and the issues and challenges facing them. Pressing societal issues such as obesity and the need for responsible stewardship over food resources are addressed. The course exposes students to potential solutions as well as new theories and concepts that broaden their marketing knowledge and provide them with the tools to develop solutions to current food marketing challenges. A combination of formal lectures, live case studies, group work, student presentations, in-class exercises, and guest speakers are used.

Component(s):

"Lecture"

Notes:

- It is strongly recommended that students take MARK 302 and MARK 305 before enrolling in this course.
- Students who have received credit for this topic under a MARK 491 number may not take this course for credit.

MARK 460 Integrated Marketing Communications Practicum (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MARK 452; MARK 453.

Description:

This practicum course builds on and supplements the concepts that were covered in MARK 453. It focuses on the application and integration of all the tools of marketing communications such as advertising, sales promotion, public

relations and publicity, personal selling, direct marketing, and Internet marketing. The course also takes into account all contact points and stakeholder groups, including consumers, employees and suppliers, governments, distribution channel members, local communities, opinion leaders and the media. An integral component of the course is the development of a complete integrated marketing communications plan for presentation to a "real life" client using concepts that are discussed in class.

Component(s):

"Lecture"

MARK 463 Strategic Retail Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

This course introduces students to a strategic perspective on retail management. Taking into account the Canadian context and the evolving nature of retailing, this course discusses topics such as markets, location and channel selection. It examines merchandise management, pricing, communication, retail design and layout, and customer-relationship management strategies. This course includes lectures and learning activities aimed at developing the analytic and decision-making skills required in the strategic management of retail operations.

Component(s):

"Lecture"

MARK 465 International Marketing Management (3 credits)

(also listed as IBUS 465)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 211; COMM 223 or MARK 201.

Description:

In this course, students explore international marketing frameworks. Students exercise critical thinking and analytical skills to address international marketing opportunities and challenges across various organizations. They learn to identify and manage both controllable and uncontrollable variables, as well as issues related to ethical practices, environmental impact, sustainability and governance, all of which shape international marketing tactics. The course focuses on the marketing mix, with an emphasis on the differences and similarities in marketing products and services across various cross-cultural and international contexts. Various pedagogical methods, including a term project, help students develop the knowledge and skills needed to understand and apply marketing concepts in international settings.

Component(s):

"Lecture"

Notes:

- Students who have received credit for IBUS 465 may not take this course for credit.

MARK 485 Business-to-Business Marketing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or MARK 201.

Description:

In this course, students analyze Business-to-Business (B2B) ecosystems using service logic. They evaluate where a business (organization) stands within these ecosystems and identify opportunities for value creation, considering the impacts of digital transformation, sustainability, and local/global constraints. Students also learn how to design and improve collaborative B2B relationships involving multiple stakeholders. The course focuses on immersive, hands-on learning activities, including collaborative workshops and meaningful discussions through reflective analysis. It equips students with critical thinking skills to develop innovative solutions that integrate both business and community perspectives to address B2B challenges in rapidly changing environments.

Component(s):

"Lecture"

MARK 486 Product Strategy and Innovation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or COMM 224 or MARK 201.

Description:

The focus of this course is the development of a dynamic and successful product strategy for the organization. Topics covered include product life cycle concepts, the adoption and diffusion of innovations, strategic product planning, developing the service offering, and the process of innovating and launching new products and services.

Component(s):

"Lecture"

Notes:

- It is strongly recommended that students take MARK 302 and MARK 305 before enrolling in this course.

MARK 491 Special Topics Seminar (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or COMM 224 or MARK 201.

Description:

This course focuses on issues of current and potential concern to marketers. The content may vary from year to year.

Component(s):

"Lecture"

Notes:

- Specific topics for this course and additional prerequisites relevant in each case are stated in the Undergraduate Class Schedule. It is strongly recommended that students take MARK 302 and MARK 305 before enrolling in this course.

MARK 492 Cross-Cultural Communications and Management (3 credits)

(also listed as IBUS 492)

Prerequisite/Corequisite:

The following courses must be completed previously: COMM 211; COMM 223 or MARK 201.

Description:

In this course, students explore various cross-cultural management and communication frameworks. Blending theory and practice, this course helps students develop cross-cultural sensitivity and competencies. Topics include cross-cultural negotiations, team management, consumer behaviour, leadership, and other critical aspects of the international business landscape. Students learn management best practices in an international context and thus develop the ability to avoid common pitfalls and to contribute effectively to international business operations. By completing this course, students develop the skills to manage and communicate effectively in international business environments and drive success in today's dynamic and culturally diverse global marketplace.

Component(s):

"Lecture"

Notes:

- Students who have received credit for IBUS 492 may not take this course for credit.

MARK 493 Current Issues in Marketing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMM 223 or COMM 224 or MARK 201.

Description:

This course focuses on issues of current and potential concern to marketers. The content may vary from year to year.

Component(s):

"Lecture"

Notes:

- Specific topics for this course and additional prerequisites relevant in each case are stated in the Undergraduate Class Schedule. It is strongly recommended that students take MARK 302 and MARK 305 before enrolling in this course.

MARK 495 Advanced Strategic Marketing (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MARK 301, MARK 302, MARK 305.

Description:

This course builds on the knowledge and skills acquired from other core marketing courses to introduce students to a structured framework for developing marketing strategies. Through a hands-on learning approach that includes various pedagogical tools, such as simulations and case studies, students learn to use data to make difficult but impactful decisions, build brand portfolios, and develop marketing strategies that create and maintain competitive advantage. The knowledge and skills acquired from this course prepare students to manage the demands of successfully leading careers in marketing and any professional sector.

Component(s):

"Lecture"

Section 61.130 Additional Program Options for Business Students

Program Requirements

Minor in Real Estate (12 credits)

3 credits:

- FINA 210 Introduction to Real Estate (3.00)

9 additional credits chosen from:

- FINA 310 Real Estate Development and Entrepreneurship (3.00)
- FINA 320 Real Estate Investment (3.00)
- FINA 355 Topics in Real Estate (3.00)
- FINA 420 Real Estate Finance (3.00)
- MANA 477 Real Estate Law (3.00)
- URBS 230 Urbanization: Global and Historical Perspectives (3.00)

Notes

- This program is open to students registered in a program leading to an undergraduate degree in the John Molson School of Business.

Section 61.140 Program Options for Non-Business Students

Courses Offered to Non-Business Students

Business Studies

- Minor in Business Studies
- Certificate in Business Studies

Foundations for Business

- Certificate in Foundations for Business

Elective Groups

- The Basics of Business Elective Group
- Management Elective Group for Non-Business Students
- Marketing Elective Group for Non-Business Students

Courses Offered to Non-Business Students

Students enrolled in programs outside the John Molson School of Business may register for a maximum of six credits per term, up to a maximum of 30 credits offered by the John Molson School of Business.

Students not registered in the John Molson School of Business, who wish to register in any courses offered by the John Molson School of Business, but do not have the stated prerequisites, must obtain permission in writing from the Student Request Committee of the John Molson School of Business prior to registration. The Office of the Associate Dean reserves the right to deregister those students who do not adhere to academic regulations.

Minor in Business Studies

Admission Requirements for the Minor in Business Studies (12 credits)

12 credits:

- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)
- MATH 208 Fundamental Mathematics I (3.00)
- MATH 209 Fundamental Mathematics II (3.00)

Note: A minimum cumulative GPA of 2.50 and a minimum GPA of 2.70 in both MATH 208 and MATH 209 (or equivalent) are required for admission to this minor.

Program Requirements

Minor in Business Studies (30 credits)

27 credits:

- COMM 205 Business Communication (3.00)
- COMM 211 Global Business Environment (3.00)
- COMM 213 Computing and Visualization Tools for Business Analytics (1.50)
- COMM 214 Business Analytics (3.00)
- COMM 216 Ethics, Business Sustainability, and Social Responsibility (1.50)
- COMM 217 Financial Accounting (3.00)
- COMM 221 Financial Markets (3.00)
- COMM 223 Marketing Management (3.00)
- COMM 225 Production and Operations Management (3.00)
- COMM 227 Interpersonal and Critical Thinking Skills (3.00)

3 credits of additional courses from the John Molson School of Business chosen in consultation with an academic advisor.

Notes

- This program is not open to students registered in a program leading to an undergraduate degree in the John Molson School of Business.

Certificate in Business Studies

Admission Requirements for the Certificate in Business Studies (12 credits)

12 credits:

- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)
- MATH 208 Fundamental Mathematics I (3.00)
- MATH 209 Fundamental Mathematics II (3.00)

Program Requirements

Certificate in Business Studies (30 credits)

27 credits:

- COMM 205 Business Communication (3.00)
- COMM 211 Global Business Environment (3.00)
- COMM 213 Computing and Visualization Tools for Business Analytics (1.50)
- COMM 214 Business Analytics (3.00)
- COMM 216 Ethics, Business Sustainability, and Social Responsibility (1.50)
- COMM 217 Financial Accounting (3.00)
- COMM 221 Financial Markets (3.00)
- COMM 223 Marketing Management (3.00)
- COMM 225 Production and Operations Management (3.00)
- COMM 227 Interpersonal and Critical Thinking Skills (3.00)

3 credits of additional courses from the John Molson School of Business chosen in consultation with an academic advisor.

Notes

- This program is not open to students registered in a program leading to an undergraduate degree.
- Students may transfer into the certificate program up to 12 credits earned in an incomplete degree or certificate program or as an Independent student, provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program.

Certificate in Foundations for Business

Overview

The Certificate in Foundations for Business is a non-degree program that caters to students who wish to develop the necessary background for further study in undergraduate degree programs in business. It also may be of interest to students whose preference is to follow a short program of study or to learn important foundations for business studies.

Admission Requirements for the Certificate in Foundations for Business

Applicants to this program must satisfy the general admission requirements stated in Section 13.3 Admission Requirements of this Calendar. The specific admission requirements are listed in the Undergraduate Program Guide and on the Concordia website.

Program Requirements

Certificate in Foundations for Business (30 credits)

12 credits:

- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)
- MATH 208 Fundamental Mathematics I (3.00)
- MATH 209 Fundamental Mathematics II (3.00)

18 credits chosen from:

- ACCO 230 Introduction to Financial Accounting (3.00)
- COMM 205 Business Communication (3.00)
- COMM 211 Global Business Environment (3.00)
- COMM 213 Computing and Visualization Tools for Business Analytics (1.50)
- COMM 219 Innovation Management (1.50)
- COMM 227 Interpersonal and Critical Thinking Skills (3.00)
- FINA 200 Personal Finance (3.00)
- FINA 230 Introduction to Financial Management (3.00)
- MANA 201 Introduction to Business and Management (3.00)
- MARK 201 Introduction to Marketing (3.00)

Notes

- The certificate requires successful completion of 30 credits. Students may transfer into the certificate program up to 12 credits earned in an incomplete degree or certificate program or as an Independent student, provided they are students in acceptable standing. The credits that may be so transferred are determined by the University at the point of entry into the program. Students who are admitted to the Certificate in Foundations for Business and wish to continue in a degree program should apply for admission to that program prior to graduating from the certificate.
- In the event that a student is awarded an exemption from a required course, it will be necessary for the student to replace that course with another relevant to the program, chosen in consultation with an academic advisor.
- ACCO 230, FINA 230, and MANA 201 cannot be transferred to a business degree.

The Basics of Business Elective Group

Requirements

The Basics of Business Elective Group (15 credits)

15 credits chosen from:

- ACCO 230 Introduction to Financial Accounting (3.00)
- ACCO 240 Introduction to Managerial Accounting (3.00)
- FINA 200 Personal Finance (3.00)
- FINA 230 Introduction to Financial Management (3.00)
- MANA 201 Introduction to Business and Management (3.00)
- MANA 202 Human Behaviour in Organizations (3.00)
- MANA 298 Business Law (3.00)
- MARK 201 Introduction to Marketing (3.00)

Notes

- This interdisciplinary elective group is designed for nonbusiness students seeking insight into the exciting world of business.
- This elective group is not open to BComm/BAdmin students. Not all electivegroup credits are transferable to the BComm/BAdmin program.
- Students who have received credit for MANA 266, 213, or 211 may not take MANA 201, MANA 202, or MANA 298 for credit, respectively.
- Since nonbusiness students can only register for a maximum of 30 credits within the John Molson School of Business, students registered in the Minor in Business Studies cannot register for this elective group.

Management Elective Group for Non-Business Students

Requirements

Management Elective Group for Non-Business Students (15 credits)

6 credits:

- MANA 201 Introduction to Business and Management (3.00)
- MANA 202 Human Behaviour in Organizations (3.00)

9 credits chosen from:

- MANA 298 Business Law (3.00)
- MANA 300 Entrepreneurship: Launching Your Business (3.00)
- MANA 343 Communication and Negotiation (3.00)
- MANA 374 Sustainable Management (3.00)

Notes

- This 15-credit elective group is available to students registered in undergraduate programs outside of the John Molson School of Business. Students choosing this elective group have the opportunity to add a business-oriented management component to their arts, science, engineering, or fine arts degrees.
- Since nonbusiness students can only register for a maximum of 30 credits within the John Molson School of Business, students registered in the Minor in Business Studies cannot register for this elective group.

Marketing Elective Group for Non-Business Students

Requirements

Marketing Elective Group for Non-Business Students (15 credits)

9 credits:

- MARK 201 Introduction to Marketing (3.00)
- MARK 302 Marketing Research (3.00)
- MARK 305 Consumer Behaviour (3.00)

6 credits chosen from:

- MARK 451 Service Marketing (3.00)
- MARK 452 Digital Marketing (3.00)
- MARK 453 Integrated Marketing Communications (3.00)
- MARK 454 Personal Selling (3.00)
- MARK 460 Integrated Marketing Communications Practicum (3.00)
- MARK 463 Strategic Retail Management (3.00)
- MARK 485 Business-to-Business Marketing (3.00)
- MARK 486 Product Strategy and Innovation (3.00)

Notes

- This 15-credit elective group is available to students registered in undergraduate programs outside the John Molson School of Business. Students choosing this elective group have the opportunity to add a business-oriented marketing component to their arts, science, engineering, or fine arts degrees.
- Since non-business students can only register for a maximum of 30 credits within the John Molson School of Business, students registered in the Minor in Business Studies cannot register for this elective group.

Section 61.150 Special Certificate Programs

Programs

There are many organizations within the business community designed to serve the needs of people working in specialized areas of business. These organizations recognize that the educational qualifications of those seeking membership must be continually upgraded. Therefore, they sponsor an academic certificate which may be obtained through correspondence courses, or through a lecture program.

The John Molson School of Business co-operates with these business organizations by permitting personnel to register as Visiting students, and to take courses leading to a certificate to be awarded by the organization concerned.

Students must comply with the University regulations regarding dates of application and Visiting Business student entrance requirements as outlined in the following link:

concordia.ca/students/undergraduate/undergraduate-academic-dates

In addition, they must meet the requirements of the specific organization. The credit courses taken may be applied towards the BComm degree, provided the student meets the admission requirements and wishes to transfer from Visiting Business status to undergraduate status after completing a certificate program. Students are advised that they must meet the Bachelor of/Baccalaureate in Commerce (BComm) curriculum requirements in force at the date of transfer.

Each certificate program has one or more special courses required to complete the program. These courses do not carry credit towards an undergraduate degree and are designated as non-credit courses.

Students interested in the following certificate programs may obtain details of required courses from the organization concerned:

- The American Marketing Association (Montreal Chapter)
- Institute of Canadian Bankers
- The Insurance Institute of Canada
- The Trust Companies Institute of Canada
- Professional Secretaries International (CPS)
- Canadian Institute of Management

Section 61.160 Special Programs in Accountancy

Certificate in Accountancy Admission Requirements

Students must hold a Bachelor's degree and have completed the following courses to be admitted to the certificate:

- MATH 208 Fundamental Mathematics I (3.00)
- MATH 209 Fundamental Mathematics II (3.00)
- ECON 201 Introduction to Microeconomics (3.00)
- ECON 203 Introduction to Macroeconomics (3.00)
- COMM 213 Computing and Visualization Tools for Business Analytics (1.50)
- COMM 217 Financial Accounting (3.00)
- COMM 305 Managerial Accounting (3.00)

Program Requirements

Certificate in Accountancy (30 credits)

30 credits:

- ACCO 310 Financial Reporting I (3.00)
- ACCO 320 Financial Reporting II (3.00)
- ACCO 330 Cost and Management Accounting (3.00)
- ACCO 340 Income Taxation in Canada (3.00)
- ACCO 360 Principles of Auditing (3.00)
- ACCO 420 Financial Reporting III (3.00)
- ACCO 435 Strategic Accounting Case Analysis (3.00)
- ACCO 440 Advanced Taxation (3.00)
- ACCO 465 Advanced Assurance Services (3.00)
- COMM 216 Ethics, Business Sustainability, and Social Responsibility (1.50)
- COMM 316 Business Law and Ethics (1.50)

Notes

- The main purpose of the certificate is to help students who have completed a bachelor's degree to complete coursework that may qualify students for entry to the Graduate Diploma in Chartered Professional Accountancy program.

- Students may transfer into the certificate program up to 12 credits earned in an incomplete degree or certificate program or as an Independent student, provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program.

L'Ordre des Comptables Professionels Agréés du Québec: Chartered Professional Accountant (CPA)

The John Molson School of Business offers a Diploma in Chartered Professional Accountancy. Entry into the program normally requires an undergraduate degree in Commerce, and a Major in Accountancy with high academic standing. Applicants lacking an appropriate pattern of undergraduate work will be required to successfully complete certain qualifying courses, as assigned by the director of the program and the Order of Chartered Professional Accountants of Quebec. For further details, refer to the Graduate Calendar of Concordia's School of Graduate Studies.

Section 71 Gina Cody School of Engineering and Computer Science

Gina Cody School of Engineering and Computer Science

- Section 71.10 Gina Cody School of Engineering and Computer Science
- Section 71.20 BEng
- Section 71.30 Department of Electrical and Computer Engineering
- Section 71.40 Department of Mechanical, Industrial and Aerospace Engineering
- Section 71.50 Department of Building, Civil and Environmental Engineering
- Section 71.55 Aerospace Engineering
- Section 71.60 Engineering Course Descriptions
- Section 71.70 Department of Computer Science and Software Engineering
- Section 71.75 Computer Science in Health and Life Sciences
- Section 71.80 Computation Arts and Computer Science
- Section 71.85 Data Science
- Section 71.90 Centre for Engineering in Society
- Section 71.100 Concordia Institute for Information Systems Engineering
- Section 71.105 Department of Chemical and Materials Engineering
- Section 71.110 Complementary Studies for Engineering and Computer Science Students

Section 71.10 Gina Cody School of Engineering and Computer Science

Gina Cody School of Engineering and Computer Science

concordia.ca/ginacody.html

Mission Statement

The Gina Cody School of Engineering and Computer Science is dedicated to providing high-quality and comprehensive undergraduate and graduate curricula, to promoting high-calibre research, and to the development of the profession of engineering and computer science in an ethical and socially responsible manner. We strive to prepare graduates to solve real world problems with excellent professional skills leading to superior career opportunities.

Section 71.10.1 Programs Offered

The following programs are offered in the Gina Cody School of Engineering and Computer Science:

1. BEng degrees including the following: BEng in Aerospace Engineering, BEng in Building Engineering, BEng in Chemical Engineering, BEng in Civil Engineering, BEng in Computer Engineering, BEng in Cybersecurity Engineering, BEng in Electrical Engineering, BEng in Industrial Engineering, BEng in Mechanical Engineering, and BEng in Software Engineering.
2. BCompSc in Computer Science.
3. BSc in Cybersecurity.
4. Minor in Computer Science.
5. Certificate in Science and Technology.

The requirements for the programs are different, and the appropriate sections of the calendar must be consulted for each.

Section 71.10.2 Admission Requirements

Admission Requirements

General admission requirements are listed in Section 13 Admission Regulations.

In addition, the following specific requirements exist for the various programs. Applicants should specify their choice of program on their application.

Students entering the Gina Cody School of Engineering and Computer Science are presumed to have acquired some familiarity with computers and programming, either through a course or through time spent working with a personal or other computer.

Applicants From Quebec Institutions

Successful completion of a two-year pre-university Cegep program is required, including the specific courses in the appropriate profile, as follows:

1. BEng (all programs)

Cegep Profile

Mathematics 201 —

103 or NYA, 105 or NYC, 203 or NYB

Physics 203 —

101 or NYA, 201 or NYB

Chemistry 202 —

101 or NYA

2. BCompSc

- BCompSc in Computer Science
- BCompSc Joint Major in Computation Arts and Computer Science
- BCompSc Joint Major in Data Science
- Minor in Computer Science

Cegep Profile 10.12

Mathematics 201 —

103 or NYA, 105 or NYC, 203 or NYB

Physics 203 —

101 or NYA, 201 or NYB

Chemistry 202 —

101 or NYA

Biology 101 —

301 or NYA

Applications from graduates of Cegep technology programs will also be considered. Program requirements for successful applicants will be determined on an individual basis.

Applicants From Outside Quebec

Academic qualifications presented by students applying from institutions outside Quebec should be comparable to those expected of students applying from within Quebec.

Where the pre-university education is shorter than in Quebec, students may be considered for admission to the first year of the Extended Credit Program. (See Section 13.3.2 Applicants from Secondary School Curriculums from Outside Quebec to Section 13.3.6 Former Concordia Students; and Extended Credit Program under Section 71.20.2 Alternative Entry Programs; and Section 71.70.3 Extended Credit Program).

Mature Entry

Admission requirements are listed in Section 14 Alternative Entry under Mature Entry.

Section 71.10.3 Academic Regulations

Notes

- Students should refer to the Academic Regulations of the University in Section 16 Academic Information: Definitions and Regulations.

Definitions

Assessable courses: all record entries of courseslisted in this Concordia Calendar for which a grade point value is specified in Section 16.1.11 Grading System. However, any course which is a requirement for admission to a program offered by the Gina Cody School of Engineering and Computer Science will not be counted unless specifically listed on the student's admission letter.

Dean's Office: appropriate member of the Dean's Office, normally the Associate Dean, Student Academic Service.

Program of Study: course requirements in effect at the time of the latest admission or readmission to a program, for example, BEng in Civil Engineering or BCompSc in Computer Science, including modifications on an individual basis as specified or approved in writing by the Dean's Office, or the Student Request Committee of the GCS Council.

Grade Points: as defined in Section 16.1.11 Grading System under Section 16.1 General Information of this Calendar.

AssessmentGradePoint Average (AGPA): as defined in Section 16.3.10 Academic Performance.

Academic Year: a period which begins with a summer session followed by a regular session (fall and winter).

Objectives

The objectives of these regulations are:

1. to ensure that the GCS can certify that all of its graduates are qualified to enter their profession, and
2. to ensure that students can, with the assistance or intervention of the GCS, assess themselves objectively and plan programs of study designed to meet their individual needs.

Grading System

See Section 16.1.11 Grading System for the Concordia grading system.

Note:Although a "C-" grade is designated as satisfactory, an AGPA of at least 2.00 for the assessment period is required for acceptable standing in the Gina Cody School of Engineering and Computer Science.

Regulations

1. Students' standings are assessed at the end of each academic year providing they have attempted at least 12 credits subsequent to their previous assessment, or in the case of a first assessment, subsequent to their admission to a program of study.
   Standings of students who have attempted less than 12 credits since their last assessment are assessed as follows:
   - The standings of potential graduates are determined on the basis that these credits constitute an extension of the last assessment period.
   - The standings of other students are determined at the end of the academic year in which they have attempted a total of at least 12 credits since their last assessment.
2. Students' standings are determined according to the following criteria.

Acceptable Standing

An AGPA of at least 2.00 for the assessment period.

Students in acceptable standing may proceed subject to the following conditions: any failing grade must be cleared by repeating and passing the failed course; or in the case of an elective, by replacing the failed course by an alternative within the same group of electives and passing this course. Any variation must be approved by the Dean's Office.

Conditional Standing

An AGPA of at least 1.50 but less than 2.00 for the assessment period.

Students in conditional standing may proceed subject to the following conditions.

1. They must successfully repeat all core courses in which failing grades were obtained. These courses must be repeated within one academic year of the annual assessment.

2. In no case will the number of credits exceed 15 per term.
3. They must obtain acceptable standing at the time of their next assessment.

Failed Standing

Failure to meet the criteria for acceptable or conditional standing, or remaining in conditional standing for two consecutive assessments.

Failed students may apply for readmission through the Dean's Office – Student Academic Services. If readmitted, they will be placed on academic probation. The Application for Readmission form is available in the Student Academic Services Office or can be obtained from the Student Academic Services website located at: concordia.ca/ginacody.

Full consideration will be given to all applications that have been received by the deadline indicated on the Application for Readmission form. Every attempt will be made to inform students regarding the status of their application by August 1 of each year.

Students who are in failed standing and have been absent from their program for nine consecutive terms should refer to Section 71.10.4 Registration Regulations since a new application for admission is required.

No students will be readmitted for the winter term or summer session.

Readmitted students are subject to the following regulations:

1. They must successfully repeat all core courses in which failing grades were obtained.
2. They must repeat all core courses in which they obtained grades in the "D" range for the academic year in which they were assessed as failed, and any previous outstanding repeats.
3. Courses specified in 1) and 2) above must be repeated within one academic year of the annual assessment. A grade of C- or better must be obtained in these courses in order to graduate.
4. They must successfully complete all courses they are required to repeat prior to further registration in other courses. In no case will the number of credits exceed 12 per term.
5. They must return to acceptable standing at the time of their next assessment.
6. Other conditions may be applied as deemed appropriate by the Dean's Office.

Supplemental Examinations

Students may apply to write a supplemental examination by submitting a *Student Request* form if they meet the conditions listed below; however, meeting the conditions does not guarantee approval of the request. Supplemental examinations must be passed with a minimum grade of C- in order to graduate. Granting a supplemental exam will be considered if all of the following conditions are met:

1. Students are in acceptable academic standing. Students in conditional or failed standing (see Regulations for Failed Students and Students in Conditional Standing) may not write a supplemental examination.
2. The grade for the course is not "R" or "NR," and there is no grade notation "DNW" or "PEND."
3. Students have not previously written a supplemental examination for any course. Only one supplemental examination will be granted over a student's career in a particular program in the GCS.
4. A supplemental examination is considered only for students who are potential graduates for the next spring or fall and only if the course cannot be repeated or replaced before graduation. For summer courses, a supplemental examination is considered only in cases where the students are potential graduates for the next fall.
5. If approved, for fall courses (term designation /2), students may write the supplemental examination in February; for winter courses (term designation /4), students may write in August; and for summer-session courses (session designation /1), students may write in October.

6. In all cases, supplemental examinations shall be considered only when, as a condition for passing the course, it is required that students pass the final examination regardless of its weighting; or where the final examination contributes 50 per cent or more of the final grade. Students failing a course which comprises entirely, or in part, a laboratory or similar practicum, are not eligible to write a supplemental examination. The GCS reserves the right to obtain the course instructor's feedback regarding adequate performance in course components other than the final examination in order to make a decision regarding approval of the supplemental exam.

Section 71.10.4 Registration Regulations

Registration Regulations

1. Students in the Gina Cody School of Engineering and Computer Science who have been absent from their program for six consecutive terms or more will be officially withdrawn from their program by the GCS and must submit a new application for admission through the Concordia website: concordia.ca. Students in failed standing at the time of their last registration must submit a new application if absent for more than nine consecutive terms or if the equivalent of 12 credits or more have been attempted at another institution.
2. Except for students registered for the co-operative format, the maximum load in the summer sessions is 14 credits, with no more than eight credits in either of its terms. In the fall and winter terms, the maximum load is 19 credits, except for students registered in the co-operative format. Students taking any of the Capstone courses (AERO 490, BLDG 490, CIVI 490, COEN 490, ELEC 490, INDU 490, MECH 490 or SOEN 490) are limited to 14 credits in each of the fall and winter terms exclusive of the Capstone course.
3. Students from outside the Gina Cody School of Engineering and Computer Science must obtain permission in writing from the Student Academic Services Office prior to registering in any 300-level course other than those listed in the Certificate in Science and Technology, and the Engineering Core, or any 400-level courses offered by the GCS.

Prerequisites

1. Students are responsible for ensuring that they have successfully completed all prerequisites to a course before attempting to register for the course.
2. Students must complete all 200-level courses required for their program before registering for any 400-level courses.
3. All 200-level courses within the program which are prerequisites for other courses must be completed with a C- or higher. A 200-level course in which a student has obtained a D+ or lower must be repeated before attempting a course for which it is a prerequisite.
4. The GCS reserves the right to withdraw a student who has registered for a course without satisfactorily completing all prerequisites.

Section 71.10.5 Graduation Regulations

Graduation Regulations

Students must satisfy all program requirements, be in acceptable standing, and have a minimum final graduation GPA of 2.00. The standings of potential graduates who have attempted less than 12 credits since their last assessment are determined on the basis that these credits constitute an extension of the last assessment period.

Students who fail to meet acceptable standing but meet conditional standing or those who are readmitted from failed standing will have the following options:

1. register for 12 credits and meet the criteria for acceptable standing;
2. register for fewer than 12 credits. In this case, the student's standing will be determined after adding the grade points obtained for these credits to those included in the calculation of the GPA of the last assessment period.

Section 71.10.6 Availability of Programs

Availability of Programs

Full-time students in the Engineering program normally follow an eight-term sequence. In general, introductory level courses are offered in both day and evening. Subject to the Registration Regulations in Section 71.10.4 Registration Regulations above, a student may register on a part-time basis. Further information on sequencing may be found in the Undergraduate Program Guide issued by the Dean's Office.

Section 71.10.7 Curriculum Requirements and Course Sequences

Curriculum Requirements and Course Sequences

All students in Engineering programs are required to meet the Canadian Engineering Accreditation Board (CEAB) standards. Students are required to graduate having met the substantial equivalent of the curriculum in force in the winter term prior to degree conferral. It is the student's responsibility to ensure that their course selection meets the program requirements for their graduation. To accommodate this requirement, students are provided with course equivalencies and course sequences on the Student Academic Services website at concordia.ca/ginacody/students/academic-services.

Engineering students should follow the outlined cohort sequence for their program. Failure to do so may result in scheduling problems, the unavailability of courses, or ultimately an extension in the time period to complete their program.

Section 71.10.8 Co-operative Education in the Gina Cody School of Engineering and Computer Science

The Co-operative Format

The Institute for Co-operative Education offers a number of work-integrated learning opportunities to students in the Gina Cody School of Engineering and Computer Science. Work-integrated learning is a model of experiential learning that bridges the academic program and the world of work. It provides students with the opportunity to combine study with paid work terms in their chosen fields.

Co-operative Education Programs

The co-op format is available in the following programs in the BCompSc, BSc and BEng degrees:

- BEng in Aerospace Engineering
- BEng in Building Engineering
- BEng in Chemical Engineering
- BEng in Civil Engineering
- BEng in Computer Engineering
- BCompSc in Computer Science
- BSc in Cybersecurity
- BEng in Cybersecurity Engineering
- BEng in Electrical Engineering
- BEng in Industrial Engineering
- BEng in Mechanical Engineering
- BEng in Software Engineering

The academic content is identical to that of the regular programs with three work terms interspersed with study terms. However, in order to continue their studies in the co-operative format in the Gina Cody School of Engineering and Computer Science, or to graduate from one of its programs as members of the Institute for Co-operative Education, students must satisfy the following conditions:

(i) must be in acceptable standing and maintain a cumulative grade point average (CGPA) of at least 2.50 in their program (the CGPA is calculated in the manner described in Section 16.3.10 Academic Performance under Section 16.3 Evaluation, Administrative Notations, Examinations, and Performance Requirements);

(ii) be assigned a grade of pass for each of the three work-term courses (CWTE or CWTC). Under certain conditions, students may be placed on co-op probation status;

(iii) remain in their designated work study sequence. Any deviations must have prior approval by the director of the Institute for Co-operative Education in consultation with the co-op program director in their department.

For a full description of the co-operative education program format and requirements, please refer to Section 24 Institute for Cooperative Education of this Calendar.

Regulations for Work Terms

1. Successful completion of the work terms shown in the Co-op Schedule indicated in Section 24 Institute for Cooperative Education is a prerequisite for graduation as a member of the Institute for Co-operative Education.
2. Work-term job descriptions are screened by the co-op coordinator. Only jobs approved by the Institute for Co-operative Education will be accepted as being suitable for the work-term requirements.
3. Work-term jobs are full-time employment normally for a minimum of 12 consecutive weeks (14 to 16 weeks preferably).
4. A work-term report must be submitted each work term on a subject related to the student's employment. This report must be submitted to the Institute for Co-operative Education on or before the deadline shown in Section 24 Institute for Cooperative Education. Grammar and content of work-term reports are evaluated by the Institute for Co-operative Education and the technical aspects are evaluated by the co-op program director responsible. Evidence of the student's ability to gather material relating to the job, analyze it effectively, and present it in a clear, logical, and concise form is required in the report.
5. The required communication component consists of an oral presentation on a technical subject or engineering task taken from the student's work environment. The presentation will be given on campus in a formal setting after students have returned to their study term. A written summary is also required. Guidelines for the preparation of this oral presentation are provided in the Co-op Student Handbook.
6. Work terms will be evaluated for satisfactory completion. Assessment is based upon the employer evaluation of performance, the work-term report and communication component which together constitute the job performance as related to the whole work term. Students must pass all required components. The grade of pass or fail will be assigned to each of the work-term courses. A failing grade will result in the student's withdrawal from the Institute for Co-operative Education.

Section 71.10.9 Concordia Institute for Aerospace Design and Innovation (CIADI)

CIADI

The Concordia Institute for Aerospace Design and Innovation (CIADI) promotes awareness and provides leading-edge know-how among Engineering students and practising engineers in design and innovation, particularly in the field of aerospace, with emphasis on its multidisciplinary nature. While some members of the Institute may enter their field upon completion of their degree, the initiation into research provided to CIADI members is helpful to students who wish to pursue graduate studies in the field of aerospace.

Aerospace Industry Projects

Students may register in one or two three-credit Aerospace Industry Project courses, IADI 301 and IADI 401. These courses are three-credit extension courses. They are above and beyond the credit requirements of the student's program and are not transferable, nor are they included in the full- or part-time assessment status.

A grade of pass or fail will be awarded based on the evaluation of the final report as well as an assessment provided by the industry project supervisor.

Professional Development and Experiential Learning

CIADI encourages students to enhance their academic portfolio and participate in professional development and experiential learning activities offered by the Institute. Students who have completed a minimum of six hours of professional development and experiential learning activities provided by CIADI may request to register in IADI 420, a zero-credit course that will appear on their official transcript.

Section 71.20 BEng

Section 71.20.1 Curriculum for the Degree of BEng

Section 71.20.2 Alternative Entry Programs

Section 71.20.3 Accreditation by the Canadian Council of Professional Engineers

Section 71.20.4 Membership in the Ordre des ingénieurs du Québec

Section 71.20.5 Degree Requirements

Section 71.20.6 General Education Elective

Section 71.20.7 Writing Skills Requirement

Section 71.20.8 C.Edge (Career Edge) and Accelerated Career Experience Options

Section 71.20.9 Certificate in Science and Technology

Section 71.20.1 Curriculum for the Degree of BEng

Programs

The University offers the following programs leading to the degree of BEng:

- BEng in Aerospace Engineering
- BEng in Building Engineering
- BEng in Chemical Engineering
- BEng in Civil Engineering
- BEng in Computer Engineering
- BEng in Electrical Engineering
- BEng in Industrial Engineering
- BEng in Mechanical Engineering
- BEng in Software Engineering

The BEng programs require completion of a minimum of 120 credits.

Program requirements comprise a group of required courses with a group of elective courses which allow students to select part of their program to provide some depth in an area of specialization (their "option") according to their particular interests, or breadth in the general field of their chosen discipline.

In their final undergraduate year, students with high standing may apply for permission through the Dean's Office to register for a limited number of graduate courses offered by the GCS in lieu of some courses in the undergraduate program. Students with a minimum CGPA of 3.00 may also request to take additional graduate courses not to be counted towards their undergraduate program. The transferability of these graduate courses into a subsequent graduate program is not guaranteed.

Engineering students wishing to register for a minor must notify the Student Academic Services Office of the Gina Cody School of Engineering and Computer Science in writing. Those students must comply with the regulations of the Faculty governing the chosen minor and must meet the following requirements:

1. Students may not apply for a minor until they have completed a minimum of 20 credits in their Engineering program.
2. Students pursuing a minor must maintain a cumulative GPA of 2.70 in their program courses. Students who fall below a 2.70 GPA in their program courses are required to withdraw from the minor.
3. A maximum of three credits earned to meet the minor requirements may be counted towards the Engineering degree.
4. Students in Computer, Electrical or Software Engineering are not eligible to take the Minor in Computer Science. Successful completion of a BEng program requires hard work and considerable dedication on the part of each student. Courses are presented with the expectation of an average of about two hours of "outside" work for each lecture hour and about one-half hour of "outside" work for each hour spent in the laboratory for all programs of study.

Section 71.20.2 Alternative Entry Programs

Alternative Entry Programs

The Gina Cody School of Engineering and Computer Science offers three additional paths for students to pursue their engineering degrees:

Mature Entry Program

Extended Credit Program

Kaié:ri Nikawerá:ke Indigenous Bridging Program

Mature Entry Program

Please see Section 14.2.3 Gina Cody School of Engineering and Computer Science for details regarding the Engineering Mature Entry Requirements.

Extended Credit Program

Students admitted to an Extended Credit Program under the provisions of Section 13.3 Admission Requirements or under Section 13.8 Selection Process and Notification must successfully complete the requirements of a specific program, as set out in Section 71.30 Department of Electrical and Computer Engineering to Section 71.55 Aerospace Engineering and in the following, Section 71.70.9 Degree Requirements for the BEng in Software Engineering and Section 71.100 Concordia Institute for Information Systems Engineering, plus the following courses:

- CHEM 205 General Chemistry I (3.00)
- MATH 203 Differential and Integral Calculus I (3.00)
- MATH 204 Vectors and Matrices (3.00)
- MATH 205 Differential and Integral Calculus II (3.00)
- PHYS 204 Mechanics (3.00)
- PHYS 205 Electricity and Magnetism (3.00)

Six credits of Natural Science Electives chosen from the list below.

Six credits chosen from General Education Humanities and Social Sciences Electives. English as a Second Language (ESL) Courses and courses that focus on the acquisition of a language may not be used to meet this requirement.

Natural Science Electives

- BIOL 201 Introductory Biology (3.00)
- BIOL 202 General Biology (3.00)
- BIOL 206 Elementary Genetics (3.00)
- BIOL 261 Molecular and General Genetics (3.00)

- BIOL 266 Cell Biology (3.00)
- CHEM 206 General Chemistry II (3.00)
- CHEM 217 Introductory Analytical Chemistry I (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- GEOL 206 Earthquakes, Volcanoes, and Plate Tectonics (3.00)
- GEOL 208 The Earth, Moon and the Planets (3.00)
- PHYS 206 Waves and Modern Physics (3.00)
- PHYS 252 Optics (3.00)
- PHYS 260 Introductory Biophysics (3.00)
- PHYS 273 Energy and Environment (3.00)
- PHYS 284 Introduction to Astronomy (3.00)
- PHYS 367 Modern Physics and Relativity (3.00)
- PHYS 385 Astrophysics (3.00)
- PHYS 443 Quantitative Human Systems Physiology (3.00)
- PHYS 445 Principles of Medical Imaging (3.00)

Kaié:ri Nikawerá:ke Indigenous Bridging Program

The Kaié:ri Nikawerá:ke Indigenous Bridging Program for BComm is offered to eligible Indigenous students, specifically First Nations, Métis and Inuit peoples whose communities are located in Canada, who do not meet the normal admission requirements. Students will acquire the prerequisite courses and skills in order to access and transition into the undergraduate program of their choice at Concordia University. For the admissions criteria, please see Section 14.5 Admission as a Kaié:ri Nikawerá:ke Indigenous Bridging Program Student.

Please see the Kaié:ri Nikawerá:ke Indigenous Bridging Program website for more information:

concordia.ca/academics/undergraduate/indigenous-bridging-beng

Requirements

Students must complete the courses outlined below. Upon successful completion of the bridging program, students will transition into the BEng program of choice and must fulfill its requirements to graduate. Students should consult with the bridging program advisor for assistance in selecting courses when necessary.

Kaié:ri Nikawerá:ke Indigenous Bridging Program (30 credits)

Note: This program is composed of 30 academic credits and 6 Complementary University Credits (CUC).

6 Complementary University Credits:

- KNBP 200 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar I (1.50)
- KNBP 201 Kaié:ri Nikawerá:ke Indigenous Bridging Seminar II (1.50)

- UNSS 200 Self-Management Strategies (1.50)
- UNSS 201 Successful Study Strategies (1.50)

Note: The following courses cannot be used for credit in any Gina Cody School degree or Certificate program: KNBP 200, KNBP 201; UNSS 200, UNSS 201.

21 credits:

- ENCS 272 Composition and Argumentation for Engineers (3.00)
- ENCS 282 Technical Writing and Communication (3.00)
- ENGR 201 Professional Practice and Responsibility (1.50)
- ENGR 202 Sustainable Development and Environmental Stewardship (1.50)
- MATH 201 Elementary Functions (3.00)
- MATH 203 Differential and Integral Calculus I (3.00)
- MATH 205 Differential and Integral Calculus II (3.00)
- PHYS 204 Mechanics (3.00)

Note: The following courses cannot be used for credit in any Gina Cody School degree or Certificate program: ENCS 272.

3 credits chosen from:

- BIOL 201 Introductory Biology (3.00)
- BIOL 202 General Biology (3.00)

6 credits chosen from the General Education Humanities and Social Sciences Electives.

Optional Course

- PHYS 224 Introductory Experimental Mechanics (1.00)

Note: Students should meet with the bridging program advisor prior to enrolling in this optional course.

Section 71.20.3 Accreditation by the Canadian Council of Professional Engineers

Canadian Council of Professional Engineers

All Engineering programs in the GCS have been designed to meet the criteria of the Canadian Engineering Accreditation Board. These programs are assessed at regular intervals according to the rules and procedures of the Board. Graduates of accredited programs are qualified for membership in the Ordre des ingénieurs du Québec, or its equivalent in any other provincial jurisdiction.

Section 71.20.4 Membership in the Ordre des ingénieurs du Québec

Ordre des ingénieurs du Québec

The Ordre des ingénieurs du Québec (oiq.qc.ca) currently admits graduates of the BEng curricula in Building, Civil, Computer, Electrical, Industrial, Mechanical, and Software Engineering, as members. Quebec law requires that candidates seeking admission to provincially recognized Quebec professional corporations (such as the Ordre des ingénieurs du Québec) possess an appropriate knowledge of the French language.

A person is deemed to have that knowledge who:

1. has taken at least three years of full-time instruction given in French at the secondary or post-secondary level;
2. has passed the French mother tongue examinations in the fourth or fifth grade of the secondary level;
3. has obtained in Quebec, a secondary-school certificate for the 1985-86 school year or later.

In all other cases, a person must obtain a certificate delivered by the Office québécois de la langue française (oqlf.gouv.qc.ca) or hold a certificate defined as equivalent by regulation of the Government.

Section 71.20.5 Degree Requirements

Engineering Core (30.50 credits)

To be recommended for the degree of BEng, students must satisfactorily complete the courses of the Engineering Core as well as those specified for their particular program in subsequent sections in accordance with the graduation requirements in Section 71.10.5 Graduation Regulations.

27.5 credits:

- ELEC 275 Principles of Electrical Engineering (3.50)
- ENCS 282 Technical Writing and Communication (3.00)
- ENGR 201 Professional Practice and Responsibility (1.50)
- ENGR 202 Sustainable Development and Environmental Stewardship (1.50)
- ENGR 213 Applied Ordinary Differential Equations (3.00)
- ENGR 233 Applied Advanced Calculus (3.00)
- ENGR 301 Engineering Management Principles and Economics (3.00)
- ENGR 371 Probability and Statistics in Engineering (3.00)
- ENGR 391 Numerical Methods in Engineering (3.00)
- ENGR 392 Impact of Technology on Society (3.00)

3 credits of General Education Humanities and Social Sciences Electives

Notes:

(1) The Engineering Core credits for students in the BEng in Building Engineering are reduced from 30.5 credits to 29 credits since Building Engineering students are not required to take ENGR 202 in their program.

(2) The Engineering Core credits for students in the BEng in Chemical Engineering, BEng in Mechanical Engineering, BEng in Industrial Engineering and BEng in Aerospace Engineering programs are reduced from 30.5 credits to 27 credits since Chemical, Mechanical, Industrial and Aerospace Engineering students are not required to take ELEC 275 in their program. Students in the BEng in Electrical Engineering and the BEng in Computer Engineering shall replace ELEC 275 with ELEC 273.

(3) The Engineering Core credits for students in the BEng in Computer Engineering and the BEng in Software Engineering are reduced from 30.5 credits to 27.5 credits since Computer Engineering and Software Engineering students are not required to take ENGR 391in their program.

(4) Students in BEng in Building Engineering shall replace ENGR 392 with BLDG 482.

(5) Students must select three credits of General Education Humanities and Social Sciences Electives from one of the lists in Section 71.110 Complementary Studies for Engineering and Computer Science Students. Students in the BEng in Industrial Engineering shall take ACCO 220 as their General Education elective.

Section 71.20.6 General Education Elective

General Education Elective

All Engineering students must complete three credits of General Education. This course may be chosen from courses listed in Section 71.110 Complementary Studies for Engineering and Computer Science Students.

Please note the following:

1. Inclusion of a departmental course list does not guarantee that a student will be able to register for a course within the departmental course list. Registration is subject to course prerequisites, restrictions, and regulations that have been established by the offering department.
2. Prior to registering, students who do not have any specified prerequisites for a General Education elective course must obtain permission of the relevant Department.
3. An ESL course or an introductory course that deals with the acquisition of a language will not be considered as a General Education elective.

Section 71.20.7 Writing Skills Requirement

Writing Skills Requirement

The Gina Cody School of Engineering and Computer Science is committed to ensuring that its students possess good writing skills. Hence, every student in an undergraduate degree program is required to demonstrate competence in writing English or French prior to graduation.

All students admitted to the Gina Cody School of Engineering and Computer Science as of September 2001 must meet the writing skills requirement. To do this, students must either pass the Engineering Writing Test or complete ENCS 272 with a grade of C- or higher. Please note the successful completion of the course ENCS 272 fulfills the GCS writing skills requirement; however, it cannot be used for credit in any GCS degree or certificate program.

Newly admitted students are strongly encouraged to meet the requirement very early in their program (fall term of first year for students starting in September or winter term of first year for students starting in January) in order to avoid the risk of delayed graduation should remedial work prove necessary. The Engineering Writing Test is especially designed to address the writing skills typically demanded of engineers. Students who are required to take ESL courses should meet the writing skills requirements in the term following completion of their ESL courses.

All ESL and English/French language courses taken to satisfy this requirement are in addition to Engineering program requirements.

Section 71.20.8 C.Edge (Career Edge) and Accelerated Career Experience Options

C.Edge Option

The C.Edge option is available in the following programs in the BCompSc and BEng degrees:

- BEng in Aerospace Engineering
- BEng in Building Engineering
- BEng in Chemical Engineering
- BEng in Civil Engineering
- BEng in Computer Engineering
- BCompSc in Computer Science
- BEng in Electrical Engineering
- BEng in Industrial Engineering
- BEng in Mechanical Engineering
- BEng in Software Engineering

The academic content is identical to that of the regular programs with the addition of a four-month work term. However, in order to enrol in the C.Edge option in the Gina Cody School of Engineering and Computer Science, students must satisfy the requirements set by the individual department.

Students may have the C.Edge option recorded on their official transcript and student record, provided they successfully complete the Reflective Learning course associated with this work term.

C.Edge work terms will be coded as ENGR 107, ENGR 207, and ENGR 307, and the associated Reflective Learning courses will be coded as ENGR 108, ENGR 208, and ENGR 308 respectively.

For a full description of the C.Edge format and requirements, please refer to Section 24 Institute for Cooperative Education of this Calendar.

Accelerated Career Experience Option

A limited number of students in the BCompSc and BEng degrees are permitted to supplement their studies with the Accelerated Career Experience option, which is offered in the following programs:

- BEng in Aerospace Engineering
- BEng in Building Engineering
- BEng in Chemical Engineering
- BEng in Civil Engineering
- BEng in Computer Engineering
- BCompSc in Computer Science
- BEng in Electrical Engineering
- BEng in Industrial Engineering
- BEng in Mechanical Engineering
- BEng in Software Engineering

The academic content is identical to that of the regular programs with the addition of one 12- or 16-month work term. Students are registered in their work experience courses (ACCE 100, 200, 300, 400). However, in order to continue their studies in the Accelerated Career Experience option in the Gina Cody School of Engineering and Computer Science, students must satisfy the following conditions:

1. must be in acceptable standing and maintain a cumulative grade point average (CGPA) of at least 2.70 in their program (the CGPA is calculated in the manner described in Section 16.3.10 Academic Performance under Section 16.3 Evaluation, Administrative Notations, Examinations, and Performance Requirements);
2. be assigned a grade of pass for each of the work experience courses. Under certain conditions, students may be placed on co-op probation status;
3. remain in their designated work-study sequence. Any deviations must have prior approval by the director of the Institute for Co-operative Education in consultation with the appropriate co-op academic director;
4. must have completed at least 48 credits in their degree/program before applying;
5. must have at least 15 credits remaining after the completion of the Accelerated Career Experience work term.

For a full description of the Accelerated Career Experience format and requirements, please refer to Section 24 Institute for Cooperative Education.

Section 71.20.9 Certificate in Science and Technology

Certificate in Science and Technology Program Notes

The Certificate in Science and Technology is a non-degree program that caters to students who wish to prepare for admission to a degree program in engineering or computer science. It is not intended for students who wish to prepare for admission to a science program.

The certificate requires the successful completion of 30 credits at Concordia as outlined below. A GPA of 2.00 must be maintained to remain in the certificate program.

Students enrolled in the certificate program may request a transfer into a degree program in the Gina Cody School of Engineering and Computer Science after the completion of at least 18 credits with a minimum CGPA of 2.50 in the certificate program. The grade in each course must be C- or better for the course to count towards the program.

For advising assistance, students should contact Student Academic Services.

Admission Requirements

Students who have a DEC or satisfy out-of-province or international admissions criteria may be considered for admission, based on their academic profile, age, experience and potential (see Section 13.3 Admission Requirements).

Independent students wishing to enter the certificate program must be in good standing. Students may transfer into the certificate program up to 12 credits earned at Concordia, provided they are students in good standing. The credits that may be so transferred are determined by the University at the point of entry into the program. The credits for courses taken at another institution cannot be transferred into the certificate program. Programs for individual students can be designed in consultation with an academic advisor at Student Academic Services.

Structure of the Certificate

The Certificate in Science and Technology consists of the core and elective courses as shown below. The minimum length of the certificate is 30 credits.

In the event that a student is awarded an exemption from a core course, it will be necessary for the student to replace that course with another from the elective list.

Certificate in Science and Technology (30 credits)

9 credits of Core Courses:

- MATH 203 Differential and Integral Calculus I (3.00)
- MATH 204 Vectors and Matrices (3.00)
- MATH 205 Differential and Integral Calculus II (3.00)

21 credits minimum of Elective Courses chosen from:

Basic Science Courses: Certificate in Science and Technology

Engineering and Computer Science Courses: Certificate in Science and Technology

Basic Science Courses: Certificate in Science and Technology

- CHEM 205 General Chemistry I (3.00)
- PHYS 204 Mechanics (3.00)
- PHYS 205 Electricity and Magnetism (3.00)

Engineering and Computer Science Courses: Certificate in Science and Technology

- BCEE 231 Structured Programming and Applications for Building and Civil Engineers (3.00)
- BCEE 371 Surveying (3.00)
- BLDG 212 Building Engineering Drawing and Introduction to Design (3.00)
- CIVI 212 Civil Engineering Drawing and Introduction to Design (3.00)
- CIVI 231 Geology for Civil Engineers (3.00)
- COEN 212 Digital Systems Design I (3.50)
- COEN 231 Introduction to Discrete Mathematics (3.00)
- COEN 243 Programming Methodology I (3.50)
- COEN 244 Programming Methodology II (3.00)
- COEN 311 Computer Organization and Software (3.50)
- COMP 228 System Hardware (3.00)
- COMP 232 Mathematics for Computer Science (3.00)
- COMP 233 Probability and Statistics for Computer Science (3.00)
- COMP 248 Object-Oriented Programming I (3.50)
- COMP 249 Object-Oriented Programming II (3.50)
- ELEC 242 Continuous-Time Signals and Systems (3.00)
- ELEC 251 Fundamentals of Applied Electromagnetics (3.00)
- ELEC 273 Basic Circuit Analysis (3.50)
- ELEC 275 Principles of Electrical Engineering (3.50)
- ENCS 282 Technical Writing and Communication (3.00)
- ENGR 201 Professional Practice and Responsibility (1.50)
- ENGR 202 Sustainable Development and Environmental Stewardship (1.50)

- ENGR 213 Applied Ordinary Differential Equations (3.00)
- ENGR 233 Applied Advanced Calculus (3.00)
- ENGR 242 Statics (3.00)
- ENGR 243 Dynamics (3.00)
- ENGR 244 Mechanics of Materials (3.75)
- ENGR 245 Mechanical Analysis (3.00)
- ENGR 251 Thermodynamics I (3.00)
- ENGR 301 Engineering Management Principles and Economics (3.00)
- INDU 211 Introduction to Production and Manufacturing Systems (3.00)
- INDU 330 Engineering Management (3.00)
- MIAE 211 Mechanical Engineering Drawing (3.50)
- MIAE 215 Programming for Mechanical, Industrial and Aerospace Engineers (3.50)
- MIAE 313 Machine Drawing and Design (3.50)
- SOEN 228 System Hardware (4.00)
- SOEN 287 Web Programming (3.00)

Note: Students cannot receive credits for both BLDG 212 and CIVI 212; COMP 228 and SOEN 228; COEN 231 and COMP 232; COEN 243 and COMP 248; COEN 243 and MECH 215; COMP 248 and MIAE 215.

Section 71.30 Department of Electrical and Computer Engineering

Department of Electrical and Computer Engineering

Section 71.30.1 Course Requirements (BEng in Electrical Engineering)

Section 71.30.2 Course Requirements (BEng in Computer Engineering)

Department of Electrical and Computer Engineering

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/ginacody/electrical-computer-eng.html

Department Objectives

The Department of Electrical and Computer Engineering offers three distinct undergraduate programs: BEng in Electrical Engineering, BEng in Computer Engineering, and BEng in Aerospace Engineering.

Electrical Engineering is concerned primarily with energy and information, their conversion and transmission in the most efficient and reliable manner. This vast field of endeavour includes many specialties and electrical engineers may be involved in one or more of these throughout their careers. A partial list includes electronics, integrated circuit design, very large scale integrated (VLSI) circuit design, layout and testing, controls, robotics, system simulation, telecommunications, signal processing, computer hardware design, software design, power devices, power and control systems, electromechanical systems, micro electromechanical devices, electromagnetics, antennas, waveguides, lasers, and optoelectronics.

Computer Engineering is the driving force of the information revolution and its transformation of society. Over the course of their careers, computer engineers will be called upon to meet a number of challenges, most of which cannot be imagined today. A partial list of current specialties includes computer architecture, digital electronics, digital circuits, very large scale integrated (VLSI) circuit design, layout and testing, digital circuit testing and reliability, software systems engineering, embedded systems, digital communication and computer networks.

The BEng in Aerospace Engineering is offered jointly with the Department of Mechanical, Industrial and Aerospace Engineering. It is concerned with the engineering science that governs the design and construction of aircraft and spacecraft. This includes the mechanisms behind flight and propulsion in the atmosphere and space, including aerodynamics, lift and draft, as well as the design and control of aircrafts. Aerospace systems rely significantly on electrical and computer engineering content, including topics such as avionic navigation systems, communication networks, and flight control systems. More details about the Aerospace Engineering program can be found in Section 71.55 Aerospace Engineering.

The four-year programs consist of the Engineering Core, taken by all Engineering students, program cores and electives. The Electrical Engineering Core provides a solid introduction to all aspects of the discipline, to programming methodology and to the design of large software systems. Technical electives are scheduled to enable students to register for sets of related technical courses. Current sets of electives include:

- Telecommunication Networks and Signal Processing Electives: Electrical Engineering
- Microdevices, Electronics and VLSI Electives: Electrical Engineering
- Power and Renewable Energy Systems Electives: Electrical Engineering
- Controls, Robotics and Avionics Electives: Electrical Engineering
- Waves and Electromagnetics Electives: Electrical Engineering
- Computer Systems Electives: Electrical Engineering
- Biological and Biomedical Engineering Electives: Electrical Engineering

The Computer Engineering Core provides a thorough grounding in all aspects of computer hardware and software. Technical electives allow students to acquire further knowledge in various aspects of hardware or software. The Aerospace Engineering Core provides a solid introduction to Flight and Aerospace Systems, Modelling and Control Systems, Mechanics of Materials, Thermodynamics, and Fluid Mechanics. Technical electives allow students to gain more knowledge in a variety of topics related to flight control and navigation systems. A mandatory final-year design project gives students in all three programs the opportunity to apply the knowledge they have acquired to the design and testing of a working prototype.

Nine Quebec universities have joined together with Hydro-Québec to create the Institute for Electrical Power Engineering whose primary mission is to meet the anticipated shortfall in this area. Students accepted by the Institute are expected to complete six courses offered by participating universities. Some of these courses are offered in English and others in French. Students register for courses at their home universities.

Section 71.30.1 Course Requirements (BEng in Electrical Engineering)

Degree Requirements

The program in Electrical Engineering consists of the Engineering Core, the Electrical Engineering Core, and Electives. The minimum length of the program is 120 credits.

BEng in Electrical Engineering (120 credits)

30.5	credits from the Engineering Core
75.5	credits from the Electrical Engineering Core
14	credits chosen from the Electrical Engineering Electives

Electrical Engineering Core (75.5 credits)

- COEN 212 Digital Systems Design I (3.50)
- COEN 231 Introduction to Discrete Mathematics (3.00)
- COEN 243 Programming Methodology I (3.50)
- COEN 244 Programming Methodology II (3.00)
- COEN 311 Computer Organization and Software (3.50)
- COEN 313 Digital Systems Design II (3.50)
- COEN 330 Applied Machine Learning (3.00)
- COEN 352 Data Structures and Algorithms (3.00)
- ELEC 242 Continuous-Time Signals and Systems (3.00)
- ELEC 251 Fundamentals of Applied Electromagnetics (3.00)
- ELEC 311 Electronics I (3.50)
- ELEC 312 Electronics II (3.50)
- ELEC 321 Introduction to Semiconductor Materials and Devices (3.50)
- ELEC 331 Fundamentals of Electrical Power Engineering (3.50)
- ELEC 342 Discrete-Time Signals and Systems (3.50)
- ELEC 351 Electromagnetic Waves and Guiding Structures (3.50)
- ELEC 366 Telecommunication Networks (3.50)
- ELEC 367 Introduction to Digital Communications (3.50)
- ELEC 372 Fundamentals of Control Systems (3.50)
- ELEC 390 Electrical Engineering Product Design Project (3.00)

- ELEC 490 Capstone Electrical Engineering Design Project (6.00)
- ENGR 290 Introductory Engineering Team Design Project (3.00)

Note: Students may replace ELEC 490 with ENGR 490 if they are interested in a multidisciplinary project that requires collaboration with students from other engineering departments. In order for students to register in ENGR 490, their projects must be approved by the ENGR 490 Design Committee before the start of the fall term.

Electrical Engineering Electives (14 credits)

Student must complete a minimum of 14 credits from the Electrical Engineering Electives list. Courses are listed in groups to facilitate course selection. With adequate academic justification and with permission of the Department, students may take one technical elective course from the Computer Engineering Electives.

A. Telecommunication Networks and Signal Processing Electives: Electrical Engineering

B. Microdevices, Electronics and VLSI Electives: Electrical Engineering

C. Power and Renewable Energy Systems Electives: Electrical Engineering

D. Controls, Robotics and Avionics Electives: Electrical Engineering

E. Waves and Electromagnetics Electives: Electrical Engineering

F. Computer Systems Electives: Electrical Engineering

G. Biological and Biomedical Engineering Electives: Electrical Engineering

H. Other Electives: Electrical Engineering

Telecommunication Networks and Signal Processing Electives: Electrical Engineering

- COEN 446 Internet of Things (3.50)
- COEN 447 Software-Defined Networking (3.00)
- COEN 474 Quantum Information Processing and Coding (3.00)
- ELEC 442 Advanced Signal Processing (3.00)
- ELEC 447 Video Processing and Recognition (3.00)
- ELEC 464 Wireless Communications (3.00)
- ELEC 465 Network Security and Management (3.50)
- ELEC 466 Introduction to Optical Communication Systems (3.50)
- ELEC 470 Broadcast Signal Transmission (3.00)
- ELEC 472 Advanced Telecommunication Networks (3.50)

Microdevices, Electronics and VLSI Electives: Electrical Engineering

- COEN 314 Digital Electronics (3.50)
- COEN 451 VLSI Circuit Design (4.00)

- ELEC 413 Mixed-Signal VLSI for Wireline Communication Systems (4.00)
- ELEC 421 Solid State Devices (3.50)
- ELEC 422 Design of Integrated Circuit Components (3.50)
- ELEC 423 Introduction to Analog VLSI (4.00)
- ELEC 424 VLSI Process Technology (3.50)
- ELEC 425 Optical Devices for High-Speed Communications (3.50)
- ELEC 441 Modern Analog Filter Design (3.50)

Power and Renewable Energy Systems Electives: Electrical Engineering

- ELEC 430 Electrical Power Equipment (3.50)
- ELEC 431 Electrical Power Systems (3.50)
- ELEC 432 Control of Electrical Power Conversion Systems (3.50)
- ELEC 433 Power Electronics (3.50)
- ELEC 434 Behaviour of Power Systems (3.50)
- ELEC 435 Electromechanical Energy Conversion Systems (3.50)
- ELEC 436 Protection of Power Systems (3.50)
- ELEC 437 Renewable Energy Systems (3.00)
- ELEC 438 Industrial Electrical Systems (3.50)
- ELEC 439 Hybrid Electric Vehicle Power System Design and Control (3.00)
- ELEC 440 Controlled Electric Drives (3.50)
- ELEC 443 Electric Power Distribution Networks (3.00)
- ELEC 446 Electrical Power Generation (3.00)

Note: ELEC 430, ELEC 432, ELEC 434, ELEC 435, ELEC 436, ELEC 438 and ELEC 443 are usually offered in the French language.

Controls, Robotics and Avionics Electives: Electrical Engineering

- AERO 417 Standards, Regulations and Certification (3.00)
- AERO 480 Flight Control Systems (3.50)
- AERO 482 Avionic Navigation Systems (3.00)
- AERO 483 Integration of Avionics Systems (3.00)
- COEN 422 Foundations of Cyber-Physical Systems (3.00)
- ELEC 473 Autonomy for Mobile Robots (3.00)

- ELEC 481 Linear Systems (3.50)
- ELEC 482 System Optimization (3.50)
- ELEC 483 Real-Time Computer Control Systems (3.50)
- ENGR 472 Robot Manipulators (3.50)

Waves and Electromagnetics Electives: Electrical Engineering

- ELEC 453 Microwave Engineering (3.50)
- ELEC 455 Acoustics (3.00)
- ELEC 456 Antennas (3.50)
- ELEC 457 Design of Wireless RF Systems (3.00)
- ELEC 458 Techniques in Electromagnetic Compatibility (3.00)

Computer Systems Electives: Electrical Engineering

- COEN 316 Computer Architecture and Design (3.50)
- COEN 317 Microprocessor-Based Systems (3.50)
- COEN 320 Introduction to Real-Time Systems (3.50)
- COEN 346 Operating Systems (3.50)
- COEN 413 Hardware Functional Verification (3.50)
- COEN 421 Embedded Systems Design (4.00)
- COEN 424 Programming on the Cloud (3.00)
- COEN 448 Software Testing and Validation (3.50)
- COEN 449 Neural Networks and Machine Learning (3.00)
- SOEN 341 Software Process and Practices (4.00)

Biological and Biomedical Engineering Electives: Electrical Engineering

- COEN 432 Applied Machine Learning and Evolutionary Algorithms (3.00)
- COEN 433 Biological Computing and Synthetic Biology (3.00)
- COEN 434 Microfluidic Devices for Synthetic Biology (3.00)
- ELEC 444 Medical Image Processing (3.00)
- ELEC 445 Biological Signal Processing (3.00)

Other Electives: Electrical Engineering

- ELEC 498 Topics in Electrical Engineering (3.00)
- ENGR 411 Special Technical Report (1.00)

Section 71.30.2 Course Requirements (BEng in Computer Engineering)

Degree Requirements

The program in Computer Engineering consists of the Engineering Core, the Computer Engineering Core, and Electives. The minimum length of the program is 120 credits.

BEng in Computer Engineering (120 credits)

27.5 credits from the Engineering Core

73 credits from the Computer Engineering Core

19.5 credits from the Computer Engineering Electives

Computer Engineering Core (73 credits)

73 credits:

- COEN 212 Digital Systems Design I (3.50)
- COEN 231 Introduction to Discrete Mathematics (3.00)
- COEN 243 Programming Methodology I (3.50)
- COEN 244 Programming Methodology II (3.00)
- COEN 311 Computer Organization and Software (3.50)
- COEN 313 Digital Systems Design II (3.50)
- COEN 314 Digital Electronics (3.50)
- COEN 316 Computer Architecture and Design (3.50)
- COEN 317 Microprocessor-Based Systems (3.50)
- COEN 320 Introduction to Real-Time Systems (3.50)
- COEN 330 Applied Machine Learning (3.00)
- COEN 346 Operating Systems (3.50)
- COEN 352 Data Structures and Algorithms (3.00)
- COEN 366 Communication Networks and Protocols (3.50)
- COEN 390 Computer Engineering Product Design Project (3.00)
- COEN 490 Capstone Computer Engineering Design Project (6.00)
- ELEC 242 Continuous-Time Signals and Systems (3.00)
- ELEC 342 Discrete-Time Signals and Systems (3.50)
- ELEC 372 Fundamentals of Control Systems (3.50)

- ENGR 290 Introductory Engineering Team Design Project (3.00)
- SOEN 341 Software Process and Practices (4.00)

Note: Students may replace COEN 490 with ENGR 490 if they are interested in a multidisciplinary project that requires collaboration with students from other engineering departments. In order for students to register in ENGR 490, their projects must be approved by the ENGR 490 Design Committee before the start of the fall term.

Computer Engineering Electives (19.5 credits)

Students must complete 19.5 credits of Technical Electives from the Computer Engineering Electives list. Courses are listed in groups to facilitate course selection. With adequate academic justification and with permission of the Department, students may take one technical elective course from the Electrical Engineering Electives.

A. Hardware/Electronics/VLSI Electives: Computer Engineering

B. Software and System Design Electives: Computer Engineering

C. Biological and Biomedical Engineering Electives: Computer Engineering

D. Computer Science and Programming Electives: Computer Engineering

E. Telecommunication Networks and Signal Processing Electives: Computer Engineering

F. Controls, Robotics and Avionics Electives: Computer Engineering

G. Other Electives: Computer Engineering

Hardware/Electronics/VLSI Electives: Computer Engineering

- COEN 413 Hardware Functional Verification (3.50)
- COEN 451 VLSI Circuit Design (4.00)
- ELEC 311 Electronics I (3.50)
- ELEC 312 Electronics II (3.50)
- ELEC 321 Introduction to Semiconductor Materials and Devices (3.50)
- ELEC 413 Mixed-Signal VLSI for Wireline Communication Systems (4.00)
- ELEC 423 Introduction to Analog VLSI (4.00)

Software and System Design Electives: Computer Engineering

- COEN 421 Embedded Systems Design (4.00)
- COEN 422 Foundations of Cyber-Physical Systems (3.00)
- COEN 432 Applied Machine Learning and Evolutionary Algorithms (3.00)
- COEN 448 Software Testing and Validation (3.50)
- COEN 449 Neural Networks and Machine Learning (3.00)
- SOEN 342 Software Requirements and Deployment (3.00)

- SOEN 343 Software Architecture and Design (4.00)
- SOEN 344 Advanced Software Architecture and Design (3.00)
- SOEN 357 User Interface Design (3.00)

Biological and Biomedical Engineering Electives: Computer Engineering

- COEN 432 Applied Machine Learning and Evolutionary Algorithms (3.00)
- COEN 433 Biological Computing and Synthetic Biology (3.00)
- COEN 434 Microfluidic Devices for Synthetic Biology (3.00)
- ELEC 444 Medical Image Processing (3.00)
- ELEC 445 Biological Signal Processing (3.00)

Computer Science and Programming Electives: Computer Engineering

- COEN 424 Programming on the Cloud (3.00)
- COEN 432 Applied Machine Learning and Evolutionary Algorithms (3.00)
- COEN 474 Quantum Information Processing and Coding (3.00)
- COMP 335 Introduction to Theoretical Computer Science (3.00)
- COMP 353 Databases (4.00)
- COMP 371 Computer Graphics (4.00)
- COMP 426 Multicore Programming (4.00)
- COMP 428 Parallel Programming (4.00)
- COMP 442 Compiler Design (4.00)
- COMP 451 Database Design (4.00)
- COMP 472 Artificial Intelligence (4.00)
- COMP 474 Intelligent Systems (4.00)

Telecommunication Networks and Signal Processing Electives: Computer Engineering

- COEN 446 Internet of Things (3.50)
- COEN 447 Software-Defined Networking (3.00)
- ELEC 367 Introduction to Digital Communications (3.50)
- ELEC 442 Advanced Signal Processing (3.00)
- ELEC 447 Video Processing and Recognition (3.00)
- ELEC 465 Network Security and Management (3.50)

- ELEC 470 Broadcast Signal Transmission (3.00)
- ELEC 472 Advanced Telecommunication Networks (3.50)

Controls, Robotics and Avionics Electives: Computer Engineering

- AERO 417 Standards, Regulations and Certification (3.00)
- AERO 480 Flight Control Systems (3.50)
- AERO 482 Avionic Navigation Systems (3.00)
- AERO 483 Integration of Avionics Systems (3.00)
- ELEC 473 Autonomy for Mobile Robots (3.00)
- ELEC 481 Linear Systems (3.50)
- ELEC 482 System Optimization (3.50)
- ELEC 483 Real-Time Computer Control Systems (3.50)
- ENGR 472 Robot Manipulators (3.50)

Other Electives: Computer Engineering

- COEN 498 Topics in Computer Engineering (3.00)
- ENGR 411 Special Technical Report (1.00)

Section 71.40 Department of Mechanical, Industrial and Aerospace Engineering

Department of Mechanical, Industrial and Aerospace Engineering

Section 71.40.1 Course Requirements (BEng in Mechanical Engineering)

Section 71.40.2 Course Requirements (BEng in Industrial Engineering)

Department of Mechanical, Industrial and Aerospace Engineering

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/ginacody/mechanical-industrial-aerospace-eng.html

Department Objectives

The Department of Mechanical, Industrial and Aerospace Engineering offers three distinct undergraduate programs: BEng in Mechanical Engineering, BEng in Industrial Engineering and BEng in Aerospace Engineering.

Mechanical Engineering is concerned with all forms of power generation (hydroelectric, steam, internal combustion, nuclear, jet rocket, and fuel cells), the design of mechanisms and machines, transportation systems, controls and automation, vibration analysis, environmental control (heating, ventilation, and refrigeration), materials handling, and precision measurement. The Mechanical Engineering curriculum consists of a combination of core courses with a series of technical electives that allow students to obtain some specialization in a particular area of the field depending on their interests and expected future professional activity.

Industrial Engineering is concerned with the design, organization, analysis, and integration of people and industrial systems components in order to achieve or enhance effectiveness. These components include whole machines, transportation and conveyance elements, physical plant, organizational frameworks, schedules, and budgets. The Industrial Engineering curriculum is therefore designed to give students the background needed to define and solve problems related to the conception, improvement, integration, and implementation of industrial systems.

The BEng in Aerospace Engineering is offered jointly with the Department of Electrical and Computer Engineering. The detailed description of this program can be found in Section 71.55 Aerospace Engineering.

Section 71.40.1 Course Requirements (BEng in Mechanical Engineering)

Degree Requirements

The program in Mechanical Engineering consists of the Engineering Core, the Mechanical Engineering Core, and elective credits as shown below. The minimum length of the program is 120 credits.

BEng in Mechanical Engineering (120 credits)

27 credits from the Engineering Core

87 credits from the Mechanical Engineering Core

6 credits from the Mechanical Engineering Electives

Mechanical Engineering Core (87 credits)

87 credits:

- ENGR 242 Statics (3.00)
- ENGR 243 Dynamics (3.00)
- ENGR 244 Mechanics of Materials (3.75)
- ENGR 251 Thermodynamics I (3.00)
- ENGR 311 Transform Calculus and Partial Differential Equations (3.00)
- ENGR 361 Fluid Mechanics I (3.00)
- MECH 321 Properties and Failure of Materials (3.50)
- MECH 343 Theory of Machines (3.50)
- MECH 344 Machine Element Design (3.00)
- MECH 351 Thermodynamics II (3.50)
- MECH 352 Heat Transfer I (3.50)
- MECH 361 Fluid Mechanics II (3.50)
- MECH 368 Electronics for Mechanical Engineers (3.50)
- MECH 371 Analysis and Design of Control Systems (3.75)
- MECH 373 Instrumentation and Measurements (3.50)
- MECH 375 Mechanical Vibrations (3.50)
- MECH 390 Mechanical Engineering Design Project (3.50)
- MECH 490 Capstone Mechanical Engineering Design Project (6.00)
- MIAE 211 Mechanical Engineering Drawing (3.50)

- MIAE 215 Programming for Mechanical, Industrial and Aerospace Engineers (3.50)
- MIAE 221 Materials Science (3.00)
- MIAE 311 Manufacturing Processes (3.00)
- MIAE 312 Engineering Design and Manufacturing Processes Lab (1.00)
- MIAE 313 Machine Drawing and Design (3.50)
- MIAE 380 Product Design and Development (3.00)
- MIAE 383 Applied Machine Learning in Mechanical, Industrial and Aerospace Engineering (3.50)

Note: Students may replace MECH 490 with ENGR 490 if they are interested in a multidisciplinary project that requires collaboration with students from other engineering departments. In order for students to register in ENGR 490, their projects must be approved by the ENGR 490 Design Committee before the start of the fall term.

Mechanical Engineering Electives (6 credits)

6 credits minimum from the following course lists:

Aerospace Group: Mechanical Engineering BEng

Design and Manufacturing Group: Mechanical Engineering BEng

Systems and Mechatronics Group: Mechanical Engineering BEng

Thermo-Fluids and Propulsion Group: Mechanical Engineering BEng

Vehicle Systems Group: Mechanical Engineering BEng

Stress Analysis Group: Mechanical Engineering BEng

Notes:

Courses are listed in groups to facilitate the selection of courses in a particular area of the field.

With permission of the Department, students may take one technical elective outside of the groups listed above.

Students must get approval from the Department before registering in the technical elective outside of the groups listed above.

Aerospace Group: Mechanical Engineering BEng

- AERO 417 Standards, Regulations and Certification (3.00)
- AERO 446 Aerospace Vehicle Performance (3.00)
- AERO 455 Computational Fluid Dynamics for Aerospace Applications (3.75)
- AERO 462 Turbomachinery and Propulsion (3.00)
- AERO 464 Aerodynamics (3.00)
- AERO 465 Gas Turbine Design (3.50)
- AERO 480 Flight Control Systems (3.50)

- AERO 482 Avionic Navigation Systems (3.00)
- AERO 485 Introduction to Space Systems (3.00)
- AERO 486 Aircraft Stress Analysis (3.00)
- AERO 487 Design of Aircraft Structures (3.00)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)
- MECH 498 Topics in Mechanical Engineering (3.00)

Design and Manufacturing Group: Mechanical Engineering BEng

- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)
- INDU 372 Quality Control and Reliability (3.00)
- INDU 410 Safety Engineering (3.00)
- INDU 411 Computer Integrated Manufacturing (3.50)
- INDU 412 Human Factors Engineering (3.50)
- MECH 412 Computer-Aided Mechanical Design (3.50)
- MECH 414 Computer Numerically Controlled Machining (3.50)
- MECH 421 Mechanical Shaping of Metals and Plastics (3.50)
- MECH 422 Mechanical Behaviour of Polymer Composite Materials (3.00)
- MECH 423 Casting, Welding, Heat Treating, and Non-Destructive Testing (3.50)
- MECH 424 MEMS — Design and Fabrication (3.50)
- MECH 425 Manufacturing of Composites (3.50)
- MECH 428 Failure Analysis of Machine Systems (3.00)
- MECH 468 Wind Turbine Engineering (3.00)
- MECH 476 Generative Design and Manufacturing in Engineering (3.00)
- MECH 498 Topics in Mechanical Engineering (3.00)

Systems and Mechatronics Group: Mechanical Engineering BEng

- AERO 480 Flight Control Systems (3.50)
- AERO 482 Avionic Navigation Systems (3.00)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)
- MECH 415 Advanced Programming for Mechanical and Industrial Engineers (3.00)

- MECH 463 Fluid Power Control (3.50)
- MECH 471 Microcontrollers for Mechatronics (3.50)
- MECH 472 Mechatronics and Automation (3.50)
- MECH 473 Control System Design (3.50)
- MECH 474 Mechatronics (3.75)
- MECH 498 Topics in Mechanical Engineering (3.00)

Thermo-Fluids and Propulsion Group: Mechanical Engineering BEng

- AERO 455 Computational Fluid Dynamics for Aerospace Applications (3.75)
- AERO 462 Turbomachinery and Propulsion (3.00)
- AERO 465 Gas Turbine Design (3.50)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)
- MECH 415 Advanced Programming for Mechanical and Industrial Engineers (3.00)
- MECH 451 Renewable Energy: Fundamentals and Applications (3.00)
- MECH 452 Heat Transfer II (3.50)
- MECH 453 Heating, Ventilation and Air Conditioning Systems (3.00)
- MECH 461 Gas Dynamics (3.50)
- MECH 463 Fluid Power Control (3.50)
- MECH 468 Wind Turbine Engineering (3.00)
- MECH 498 Topics in Mechanical Engineering (3.00)

Vehicle Systems Group: Mechanical Engineering BEng

- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)
- MECH 415 Advanced Programming for Mechanical and Industrial Engineers (3.00)
- MECH 444 Guided Vehicle Systems (3.00)
- MECH 447 Fundamentals of Vehicle System Design (3.00)
- MECH 454 Vehicular Internal Combustion Engines (3.00)
- MECH 473 Control System Design (3.50)
- MECH 498 Topics in Mechanical Engineering (3.00)

Stress Analysis Group: Mechanical Engineering BEng

- AERO 431 Principles of Aeroelasticity (3.50)
- AERO 486 Aircraft Stress Analysis (3.00)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)
- MECH 412 Computer-Aided Mechanical Design (3.50)
- MECH 415 Advanced Programming for Mechanical and Industrial Engineers (3.00)
- MECH 422 Mechanical Behaviour of Polymer Composite Materials (3.00)
- MECH 426 Stress and Failure Analysis of Machinery (3.00)
- MECH 428 Failure Analysis of Machine Systems (3.00)
- MECH 460 Finite Element Analysis (3.75)
- MECH 498 Topics in Mechanical Engineering (3.00)

Section 71.40.2 Course Requirements (BEng in Industrial Engineering)

Degree Requirements

The program in Industrial Engineering consists of the Engineering Core, the Industrial Engineering Core, and elective credits as shown below. The minimum length of the program is 120 credits.

BEng in Industrial Engineering (120 credits)

27 credits from the Engineering Core

81 credits from the Industrial Engineering Core

12 credits minimum of Industrial Engineering Electives

Industrial Engineering Core (81 credits)

81 credits:

- ENGR 245 Mechanical Analysis (3.00)
- ENGR 251 Thermodynamics I (3.00)
- ENGR 311 Transform Calculus and Partial Differential Equations (3.00)
- INDU 211 Introduction to Production and Manufacturing Systems (3.00)
- INDU 311 Simulation of Industrial Systems (3.50)
- INDU 320 Production Engineering (3.00)
- INDU 321 Lean Manufacturing (3.00)
- INDU 323 Operations Research I (3.50)
- INDU 324 Operations Research II (3.50)
- INDU 330 Engineering Management (3.00)
- INDU 342 Logistics Network Models (3.00)
- INDU 371 Stochastic Models in Industrial Engineering (3.00)
- INDU 372 Quality Control and Reliability (3.00)
- INDU 412 Human Factors Engineering (3.50)
- INDU 421 Facilities Design and Material Handling Systems (3.50)
- INDU 423 Inventory Control (3.50)
- INDU 490 Capstone Industrial Engineering Design Project (6.00)
- MIAE 211 Mechanical Engineering Drawing (3.50)
- MIAE 215 Programming for Mechanical, Industrial and Aerospace Engineers (3.50)

- MIAE 221 Materials Science (3.00)
- MIAE 311 Manufacturing Processes (3.00)
- MIAE 312 Engineering Design and Manufacturing Processes Lab (1.00)
- MIAE 313 Machine Drawing and Design (3.50)
- MIAE 380 Product Design and Development (3.00)
- MIAE 383 Applied Machine Learning in Mechanical, Industrial and Aerospace Engineering (3.50)

Note: Students may replace INDU 490 with ENGR 490 if they are interested in a multidisciplinary project that requires collaboration with students from other engineering departments. In order for students to register in ENGR 490, their projects must be approved by the ENGR 490 Design Committee before the start of the fall term.

Industrial Engineering Electives (12 credits)

12 credits minimum chosen from at least three INDU Courses

Students may take no more than one course from the Other Industrial Engineering Elective Courses list.

INDU Courses

Students must take at least three courses from the following list:

- INDU 410 Safety Engineering (3.00)
- INDU 411 Computer Integrated Manufacturing (3.50)
- INDU 424 Introduction to Enterprise Resource Planning (3.00)
- INDU 431 Quantitative Methods in Health-care Systems (3.00)
- INDU 441 Introduction to Six Sigma (3.00)
- INDU 466 Decision Models in Service Sector (3.00)
- INDU 475 Advanced Concepts in Quality Improvement (3.00)
- INDU 480 Cases in Industrial Engineering (3.00)
- INDU 498 Topics in Industrial Engineering (3.00)

Other Industrial Engineering Elective Courses

Students may take no more than one course from the following list:

- BANA 478 Data Mining for Business Analytics (3.00)
- BTM 480 Project Management (3.00)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)
- MANA 300 Entrepreneurship: Launching Your Business (3.00)

Section 71.50 Department of Building, Civil and Environmental Engineering

Building, Civil and Environmental Engineering

Section 71.50.1 Course Requirements (BEng in Building Engineering)

Section 71.50.2 Course Requirements (BEng in Civil Engineering)

Building, Civil and Environmental Engineering

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/ginacody/building-civil-environmental-eng.html

Objectives

Building Engineering

Building Engineering, as a discipline, encompasses the body of knowledge which pertains to all phases in the life-cycle of a constructed facility, namely conception, planning, design, construction, operation, and disposal.

Concordia has a unique undergraduate program leading to a BEng in Building Engineering designed to meet the needs of the construction industry for engineers familiar with the overall design of built facilities.

In addition to the basic engineering sciences, the program emphasizes the fundamentals of building materials, structural analysis and design, building services (acoustical, heating, lighting, air conditioning), economics, and project management. The student also has available certain electives which will be of use in the design of various phases of a building.

Students who complete all but one of their 200- and 300-level courses with a sufficiently high standing may apply through the Associate Dean, Student Academic Services to enter a combined program leading to the joint award of both a BEng and an MEng degree in Building Engineering. It is expected that those who aspire to leadership roles within the building industry will enter such a combined program. The combined program requires a further 12 months of full-time study, after which graduates will not only have obtained further grounding in the basics, but will also have specialized in one of four branches: Building Science, Building Environment, Building Structures, Construction Management. For details of the graduate component, refer to the School of Graduate Studies Calendar.

Civil Engineering

Civil Engineering is concerned with the creation of systems of constructed facilities which play an important role in sound economic growth of society. It is also concerned with the development of technologies to combat pollution of air, water, and soil. Civil engineers are responsible for the design of foundations and superstructures of common structures such as buildings, bridges, dams, tunnels, wharves, as well as many unusual structures such as rocket installations, containment vessels for nuclear reactors, supports for radio telescopes, and frameworks for aircraft. In addition, they are concerned with the engineering aspects of water resources; transportation facilities; planning metropolitan areas, and conducting and managing their public facilities. In dealing with environmental problems, civil engineers perform vital functions such as monitoring and controlling air, water, and soil quality, assessing the impact of technological changes on the environment, and developing innovative waste reduction technologies.

Section 71.50.1 Course Requirements (BEng in Building Engineering)

Degree Requirements

The program in Building Engineering consists of the Engineering Core, the Building Engineering Core, and Building Engineering Electives credits as shown below. The normal length of the program is 120 credits.

BEng in Building Engineering (120 credits)

29 credits from the Engineering Core

Note: Students in BEng (Bldg) must successfully complete BLDG 482 instead of ENGR 392.

Note: The Engineering Core credits for students in the Building Engineering program are reduced from 30.5 credits to 29 credits since Building Engineering students are not required to take ENGR 202 (1.5 credits) in their program.

81.5 credits from the Building Engineering Core

9.5 credits from Building Engineering Electives

Building Engineering Core (81.50 credits)

- BCEE 231 Structured Programming and Applications for Building and Civil Engineers (3.00)
- BCEE 277 Introduction to AI in Natural and Built Environment (2.50)
- BCEE 342 Structural Analysis I (3.00)
- BCEE 344 Structural Design of Steel and Wood Elements (3.00)
- BCEE 345 Structural Design of Reinforced Concrete Elements (3.00)
- BCEE 371 Surveying (3.00)
- BCEE 377 Applied AI for the Built Environment (2.50)
- BCEE 432 Soil Mechanics (3.50)
- BCEE 451 Construction Engineering (3.00)
- BLDG 212 Building Engineering Drawing and Introduction to Design (3.00)
- BLDG 341 Building Engineering Systems (3.00)
- BLDG 365 Building Science (3.50)
- BLDG 371 Building Service Systems (3.50)
- BLDG 390 Building Engineering Design Project (3.50)
- BLDG 463 Building Envelope Design (3.00)
- BLDG 471 HVAC System Design (4.00)
- BLDG 476 Thermal Analysis of Buildings (3.00)

- BLDG 490 Capstone Building Engineering Design Project (6.00)
- CIVI 321 Engineering Materials (3.75)
- ENGR 242 Statics (3.00)
- ENGR 243 Dynamics (3.00)
- ENGR 244 Mechanics of Materials (3.75)
- ENGR 251 Thermodynamics I (3.00)
- ENGR 311 Transform Calculus and Partial Differential Equations (3.00)
- ENGR 361 Fluid Mechanics I (3.00)

Note: BCEE 371 is a summer course to be taken before entering second year of BEng program.

Note: Students may replace BLDG 490 with ENGR 490 if they are interested in a multidisciplinary project that requires collaboration with students from other engineering departments. In order for students to register in ENGR 490, their projects must be approved by the Department and the Design Committee before the start of the fall term.

Building Engineering Electives (9.5 credits)

Students must complete a minimum of 9.5 credits from the following lists:

Building Energy and Environment Group

Building Structures and Construction Group

Notes:

Courses are listed in groups to facilitate the selection of courses in a particular area of the field.

The Building Energy and Environment Group is designed for students interested in careers in building energy efficiency, HVAC systems and indoor environment. The Building Structures and Construction Group is tailored for students wishing to pursue careers in building design, building structures, and construction engineering and management.

Building Energy and Environment Group

- BLDG 366 Acoustics and Lighting (3.50)
- BLDG 465 Fire and Smoke Control in Buildings (3.00)
- BLDG 472 Energy Management in Buildings (3.00)
- BLDG 473 Building Acoustics (3.00)
- BLDG 474 Building Illumination and Daylighting (3.00)
- BLDG 475 Indoor Air Quality and Ventilation (3.00)
- BLDG 477 Control Systems in Buildings (3.00)
- BLDG 479 Commissioning of HVAC Systems in Buildings (3.00)
- BLDG 483 Solar Building Modelling, Design and Operation (3.00)

- BLDG 484 Diagnostics and Rehabilitation of Building Envelope (3.00)
- BLDG 498 Topics in Building Engineering (3.00)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)

Building Structures and Construction Group

- BCEE 343 Structural Analysis II (3.00)
- BCEE 455 Introduction to Structural Dynamics (3.00)
- BCEE 478 Project Management for Construction (3.00)
- BCEE 492 Construction Processes (3.00)
- BLDG 462 Non-structural Building Materials (3.00)
- BLDG 480 Building Information Modelling in Construction (3.00)
- BLDG 481 Fundamentals of Facility Management (3.00)
- BLDG 498 Topics in Building Engineering (3.00)
- CIVI 435 Foundation Design (3.00)
- CIVI 453 Design of Reinforced Concrete Structures (3.50)
- CIVI 454 Design of Steel Structures (3.50)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)

Section 71.50.2 Course Requirements (BEng in Civil Engineering)

Degree Requirements

The program in Civil Engineering consists of the Engineering Core, the Civil Engineering Core, and Civil Engineering Electives credits as shown below. The normal length of the program is 120 credits.

BEng in Civil Engineering (120 credits)

30.5	credits from the Engineering Core
83.5	credits from the Civil Engineering Core
6	credits from Civil Engineering Electives

Civil Engineering Core (83.50 credits)

- BCEE 231 Structured Programming and Applications for Building and Civil Engineers (3.00)
- BCEE 277 Introduction to AI in Natural and Built Environment (2.50)
- BCEE 342 Structural Analysis I (3.00)
- BCEE 343 Structural Analysis II (3.00)
- BCEE 344 Structural Design of Steel and Wood Elements (3.00)
- BCEE 345 Structural Design of Reinforced Concrete Elements (3.00)
- BCEE 371 Surveying (3.00)
- BCEE 377 Applied AI for the Built Environment (2.50)
- BCEE 432 Soil Mechanics (3.50)
- BCEE 451 Construction Engineering (3.00)
- CIVI 212 Civil Engineering Drawing and Introduction to Design (3.00)
- CIVI 231 Geology for Civil Engineers (3.00)
- CIVI 321 Engineering Materials (3.75)
- CIVI 341 Civil Engineering Systems (3.00)
- CIVI 361 Introduction to Environmental Engineering (3.50)
- CIVI 372 Transportation Engineering (3.00)
- CIVI 381 Hydraulics (3.50)
- CIVI 390 Civil Engineering Design Project (3.50)
- CIVI 483 Engineering Hydrology (3.00)
- CIVI 490 Capstone Civil Engineering Design Project (6.00)

- ENGR 242 Statics (3.00)
- ENGR 243 Dynamics (3.00)
- ENGR 244 Mechanics of Materials (3.75)
- ENGR 251 Thermodynamics I (3.00)
- ENGR 311 Transform Calculus and Partial Differential Equations (3.00)
- ENGR 361 Fluid Mechanics I (3.00)

Note: BCEE 371 is a summer course to be taken before entering second year of BEng program.

Note: Students may replace CIVI 490 with ENGR 490 if they are interested in a multidisciplinary project that requires collaboration with students from other engineering departments. In order for students to register in ENGR 490, their projects must be approved by the Department and the Design Committee before the start of the fall term.

Civil Engineering Electives (6 credits)

Students must complete a minimum of 6 credits from the following lists:

Civil Infrastructure Group

Environmental Group

Construction Engineering and Management (CEM) Group

Notes: Courses are listed in groups to facilitate the selection of courses in a particular area of the field. The Civil Infrastructure Group is designed for students interested in careers in structural, geotechnical, and transportation engineering. The Environmental Group is tailored for students wishing to pursue careers in environmental engineering. The Construction Engineering and Management (CEM) Group is designed for students interested in construction engineering and management.

Civil Infrastructure Group

- BCEE 452 Fundamentals of Finite Element Analysis of Structures (3.00)
- BCEE 455 Introduction to Structural Dynamics (3.00)
- CIVI 435 Foundation Design (3.00)
- CIVI 437 Advanced Geotechnical Engineering (3.00)
- CIVI 453 Design of Reinforced Concrete Structures (3.50)
- CIVI 454 Design of Steel Structures (3.50)
- CIVI 471 Highway and Pavement Design (3.00)
- CIVI 474 Transportation Planning and Design (3.00)
- CIVI 498 Topics in Civil Engineering (3.00)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)

Environmental Group

- CIVI 382 Water Resources Engineering (3.50)
- CIVI 464 Environmental Impact Assessment (3.00)
- CIVI 465 Water Pollution and Control (3.50)
- CIVI 466 Engineering Aspects of Chemical and Biological Processes (3.00)
- CIVI 467 Air Pollution and Emission Control (3.00)
- CIVI 468 Waste Management (3.00)
- CIVI 469 Geo-Environmental Engineering (3.50)
- CIVI 484 Hydraulic Engineering (3.50)
- CIVI 498 Topics in Civil Engineering (3.00)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)

Construction Engineering and Management (CEM) Group

- BCEE 464 Project Cost Estimating (3.00)
- BCEE 465 Construction Planning and Control (3.00)
- BCEE 466 Simulations and Design of Construction Operations (3.00)
- BCEE 478 Project Management for Construction (3.00)
- BCEE 491 Labour and Industrial Relations in Construction (3.00)
- BCEE 492 Construction Processes (3.00)
- BCEE 493 Legal Issues in Construction (3.00)
- BLDG 480 Building Information Modelling in Construction (3.00)
- CIVI 440 Computer Applications in Civil Engineering Practice (3.00)
- CIVI 498 Topics in Civil Engineering (3.00)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)

Section 71.55 Aerospace Engineering

Aerospace Engineering

Course Requirements (BEng in Aerospace Engineering)

Aerospace Engineering

Website

For a complete list of faculty members, please consult the Departments' websites:

concordia.ca/ginacody/mechanical-industrial-aerospace-eng.html

Program Objectives

The Aerospace Engineering program is offered jointly by the Department of Mechanical, Industrial and Aerospace Engineering and the Department of Electrical and Computer Engineering.

Aerospace Engineering is concerned with the engineering science governing flight and the design and construction of aircraft and spacecraft. This includes the mechanisms behind flight and propulsion in the atmosphere and space including aerodynamics, lift and drag as well as the design and control of aircraft such as airplanes, helicopters, unmanned aerial vehicles (UAVs) and rockets. The Aerospace Engineering curriculum comprises fundamental engineering courses followed by technical electives which allow students to obtain some specialization in a particular area of the field depending on their interests and expected future professional activity. Three options are available:

- Option A — Aerodynamics and Propulsion
- Option B – Aerospace Structures and Materials
- Option C — Avionics and Aerospace Systems

Aerodynamics and Propulsion is strongly related to the "flying" aspect of aircraft and includes topics such as aerodynamics, gas dynamics, aerospace vehicle performance, turbo-machinery and propulsion. Aerospace Structures and Materials is related to the design and manufacture of aircraft and spacecraft and includes topics such as aircraft stress analysis, aeroelasticity and vibrations, composite materials and aircraft design. Avionics and Aerospace Systems has significant electrical and computer engineering content in order to provide the necessary background for the avionics and systems engineering required to control modern aircraft and includes topics such as avionic navigation systems, communication networks, spacecraft mission design and flight control systems.

Course Requirements (BEng in Aerospace Engineering)

Degree Requirements

The program in Aerospace Engineering consists of the Engineering Core, the Aerospace Engineering Core, and option requirements as shown below. The minimum length of the program is 120 credits.

BEng in Aerospace Engineering (120 credits)

27	credits from the Engineering Core
38.75	credits from the Aerospace Engineering Core
54.25	credits from one of the following options
	Option A — Aerodynamics and Propulsion
	Option B – Aerospace Structures and Materials
	Option C — Avionics and Aerospace Systems

Aerospace Engineering Core (38.75 credits)

- AERO 201 Introduction to Flight and Aerospace Systems (4.00)
- AERO 290 Introduction to Aircraft Design (3.00)
- AERO 371 Modelling and Control Systems (3.50)
- AERO 390 Aerospace Engineering Design Project (3.00)
- AERO 417 Standards, Regulations and Certification (3.00)
- AERO 490 Capstone Aerospace Engineering Design Project (6.00)
- ENGR 242 Statics (3.00)
- ENGR 243 Dynamics (3.00)
- ENGR 244 Mechanics of Materials (3.75)
- ENGR 361 Fluid Mechanics I (3.00)
- MIAE 383 Applied Machine Learning in Mechanical, Industrial and Aerospace Engineering (3.50)

Note: Students may replace AERO 490 with ENGR 490 if they are interested in a multidisciplinary project that requires collaboration with students from other engineering departments. In order for students to register in ENGR 490, their projects must be approved by the ENGR 490 Design Committee before the start of the fall term.

Aerospace Engineering Option Requirements (54.25 credits)

Students in the Aerospace Engineering program must complete at least 54.25 elective credits from within one of the following options:

Option A — Aerodynamics and Propulsion

Option B – Aerospace Structures and Materials

Option C — Avionics and Aerospace Systems

Option A — Aerodynamics and Propulsion (54.25 credits)

50.25 compulsory credits from Option A – Aerodynamics and Propulsion Core

4 credits minimum from Option A – Aerodynamics and Propulsion Electives

Option A – Aerodynamics and Propulsion Core (50.25 credits)

- AERO 455 Computational Fluid Dynamics for Aerospace Applications (3.75)
- AERO 462 Turbomachinery and Propulsion (3.00)
- AERO 464 Aerodynamics (3.00)
- AERO 465 Gas Turbine Design (3.50)
- AERO 481 Materials Engineering for Aerospace (3.50)
- ENGR 251 Thermodynamics I (3.00)
- ENGR 311 Transform Calculus and Partial Differential Equations (3.00)
- MECH 343 Theory of Machines (3.50)
- MECH 351 Thermodynamics II (3.50)
- MECH 352 Heat Transfer I (3.50)
- MECH 361 Fluid Mechanics II (3.50)
- MECH 461 Gas Dynamics (3.50)
- MIAE 211 Mechanical Engineering Drawing (3.50)
- MIAE 215 Programming for Mechanical, Industrial and Aerospace Engineers (3.50)
- MIAE 221 Materials Science (3.00)

Option A – Aerodynamics and Propulsion Electives (4 credits)

4 credits minimum chosen from the following courses:

- AERO 431 Principles of Aeroelasticity (3.50)
- AERO 446 Aerospace Vehicle Performance (3.00)
- AERO 471 Aircraft Hydro-Mechanical and Fuel Systems (3.50)
- AERO 472 Aircraft Pneumatic and Electrical Power Systems (3.50)
- AERO 480 Flight Control Systems (3.50)

- AERO 482 Avionic Navigation Systems (3.00)
- AERO 485 Introduction to Space Systems (3.00)
- AERO 486 Aircraft Stress Analysis (3.00)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)
- INDU 372 Quality Control and Reliability (3.00)
- INDU 412 Human Factors Engineering (3.50)
- MECH 368 Electronics for Mechanical Engineers (3.50)
- MECH 373 Instrumentation and Measurements (3.50)
- MECH 375 Mechanical Vibrations (3.50)
- MECH 426 Stress and Failure Analysis of Machinery (3.00)
- MECH 451 Renewable Energy: Fundamentals and Applications (3.00)
- MECH 452 Heat Transfer II (3.50)
- MECH 453 Heating, Ventilation and Air Conditioning Systems (3.00)
- MECH 460 Finite Element Analysis (3.75)
- MECH 498 Topics in Mechanical Engineering (3.00)

Note: Students may take no more than one of the following courses: AERO 486, MECH 375, MECH 426, MECH 460.

Note: Students having a GPA of 3.0 or more may submit a request to take a graduate course as an elective.

Note: With permission of the Department, students may take one technical elective outside of the option list above. Students must get approval from the Department before registering in the technical elective outside of the option list above.

Option B – Aerospace Structures and Materials (54.25 credits)

54.25 compulsory credits from Option B – Aerospace Structures and Materials Core

Option B – Aerospace Structures and Materials Core (54.25 credits)

- AERO 253 Thermal Sciences for Aerospace Engineering (3.00)
- AERO 431 Principles of Aeroelasticity (3.50)
- AERO 481 Materials Engineering for Aerospace (3.50)
- AERO 486 Aircraft Stress Analysis (3.00)
- AERO 487 Design of Aircraft Structures (3.00)
- ENGR 311 Transform Calculus and Partial Differential Equations (3.00)
- MECH 343 Theory of Machines (3.50)

- MECH 373 Instrumentation and Measurements (3.50)
- MECH 375 Mechanical Vibrations (3.50)
- MECH 412 Computer-Aided Mechanical Design (3.50)
- MECH 460 Finite Element Analysis (3.75)
- MIAE 211 Mechanical Engineering Drawing (3.50)
- MIAE 215 Programming for Mechanical, Industrial and Aerospace Engineers (3.50)
- MIAE 221 Materials Science (3.00)
- MIAE 311 Manufacturing Processes (3.00)
- MIAE 312 Engineering Design and Manufacturing Processes Lab (1.00)
- MIAE 313 Machine Drawing and Design (3.50)

Option C — Avionics and Aerospace Systems (54.25 credits)

49.5 compulsory credits from the Option C — Avionics and Aerospace Systems Core

4.75 credits minimum from the Option C — Avionics and Aerospace Systems Electives

Note: Students having a GPA of 3.0 or more may submit a request to take a graduate course as an elective.

Option C — Avionics and Aerospace Systems Core (49.5 credits)

- AERO 253 Thermal Sciences for Aerospace Engineering (3.00)
- AERO 482 Avionic Navigation Systems (3.00)
- AERO 483 Integration of Avionics Systems (3.00)
- COEN 212 Digital Systems Design I (3.50)
- COEN 231 Introduction to Discrete Mathematics (3.00)
- COEN 243 Programming Methodology I (3.50)
- COEN 244 Programming Methodology II (3.00)
- COEN 311 Computer Organization and Software (3.50)
- COEN 352 Data Structures and Algorithms (3.00)
- ELEC 242 Continuous-Time Signals and Systems (3.00)
- ELEC 273 Basic Circuit Analysis (3.50)
- ELEC 342 Discrete-Time Signals and Systems (3.50)
- ELEC 481 Linear Systems (3.50)
- ELEC 483 Real-Time Computer Control Systems (3.50)
- SOEN 341 Software Process and Practices (4.00)

Option C — Avionics and Aerospace Systems Electives (4.75 credits)

4.75 credits minimum chosen from the following courses:

- AERO 471 Aircraft Hydro-Mechanical and Fuel Systems (3.50)
- AERO 472 Aircraft Pneumatic and Electrical Power Systems (3.50)
- AERO 480 Flight Control Systems (3.50)
- COEN 313 Digital Systems Design II (3.50)
- COEN 317 Microprocessor-Based Systems (3.50)
- COEN 320 Introduction to Real-Time Systems (3.50)
- COEN 346 Operating Systems (3.50)
- COEN 366 Communication Networks and Protocols (3.50)
- COEN 413 Hardware Functional Verification (3.50)
- COEN 421 Embedded Systems Design (4.00)
- COEN 498 Topics in Computer Engineering (3.00)
- ELEC 251 Fundamentals of Applied Electromagnetics (3.00)
- ELEC 311 Electronics I (3.50)
- ELEC 331 Fundamentals of Electrical Power Engineering (3.50)
- ELEC 351 Electromagnetic Waves and Guiding Structures (3.50)
- ELEC 367 Introduction to Digital Communications (3.50)
- ELEC 433 Power Electronics (3.50)
- ELEC 442 Advanced Signal Processing (3.00)
- ELEC 458 Techniques in Electromagnetic Compatibility (3.00)
- ELEC 464 Wireless Communications (3.00)
- ELEC 482 System Optimization (3.50)
- ELEC 498 Topics in Electrical Engineering (3.00)
- ENGR 411 Special Technical Report (1.00)
- ENGR 412 Honours Research Project (3.00)
- SOEN 342 Software Requirements and Deployment (3.00)
- SOEN 343 Software Architecture and Design (4.00)

Note: Students having a GPA of 3.0 or more may submit a request to take a graduate course as an elective.

Note: With permission of the Department, students may take one technical elective outside of the option list above. Students must get approval from the Department before registering in the technical elective outside of the option list above.

Section 71.60 Engineering Course Descriptions

Engineering and Computer Science Courses

Engineering Courses

Aerospace Engineering Courses

Building, Civil and Environmental Engineering Courses

Building Engineering Courses

Chemical and Materials Engineering Courses

Civil Engineering Courses

Computer Engineering Courses

Electrical Engineering Courses

Concordia Institute for Aerospace Design and Innovation Courses

Industrial Engineering Courses

Mechanical Engineering Courses

Mechanical and Industrial Engineering Courses

Engineering and Computer Science Courses

ENCS 272 Composition and Argumentation for Engineers (3 credits)

Prerequisite/Corequisite:

Students must complete all English as a Second Language (ESL) Courses required on admission prior to enrolling.

Description:

Fundamentals of English composition and argumentation: grammar; reasoning and persuasion; persuasive proofs; argumentation; structuring and outlining; the problem statement; the body; and the conclusions. Language and persuasion for effective communication in professional engineering. Cultivation of a writing style firmly based on clear and critical thinking skills.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- This course cannot be used for credit in any GCS degree or certificate program.
- Students who pass this course with C- or higher will fulfill the GCS writing skills requirement, and will be eligible to enrol in ENCS 282.

ENCS 282 Technical Writing and Communication (3 credits)

Prerequisite/Corequisite:

Students must have satisfied the requirements in Section 71.20.7 Writing Skills Requirement, by passing the Engineering Writing Test (EWT) or by passing ENCS 272 with a grade of C-orhigher, prior to enrolling.

Description:

Technical writing form and style. Technical and scientific papers, abstracts, reports. Library research and referencing methods for engineers and computer scientists. Technical communication using information technology: document processing software, computer-assisted presentation, analysis and design of web presentation, choice and use of appropriate tools. Students will prepare an individual major report and make an oral presentation

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

ENCS 333 Research Methods, Ethics, Law and Regulation for Computational Biology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENCS 282 or equivalent. Students must complete a minimum of 27 credits as part of the BCompSc in Health and Life Sciences or BSc in Systems and Information Biology programs prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

The course is comprised of three modules: Research Methods; Ethics; and Intellectual Property, Law and Regulation.

Component(s):

"Lecture" 1.5 hours per week, over two terms, fall and winter.

ENCS 393 Social and Ethical Dimensions of Information and Communication Technologies (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENCS 282. Students must complete 30 credits in their degree program prior to enrolling.

Description:

This course covers the following topics: ethics in an information society; surveillance and privacy; economic globalization and intellectual property in a digital world: the digital divide; computer-based profiling and hacking; electronic democracy; computer-mediated experience; and information productivity and the work/life balance.

Component(s):

"Lecture" 3 hours per week

ENCS 483 Creativity, Innovation and Critical Thinking in Science and Technology (3 credits)

Prerequisite/Corequisite:

Students must complete a minimum of 60 credits in an engineering program or minimum of 45 credits in a non-engineering program prior to enrolling.

Description:

Understanding, thinking, arguing, and creativity in science and technology; analyzing and critiquing complex problems using multidisciplinary theories of creativity; exploring the processes of invention and innovation and their impact on economics, popular media, and social and cultural structures; case studies of why some inventions fail and others succeed. Students will be evaluated on case studies, assignments, and a project.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for ENCS 283 may not take this course for credit.

ENCS 484 Development and Global Engineering (3 credits)

Prerequisite/Corequisite:

Students must complete a minimum of 60 credits in an engineering program or minimum of 45 credits in a non-engineering program prior to enrolling.

Description:

International development and global engineering: globalization; development projects; planning and analysis; and participatory data gathering. A project.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for this topic under an ENCS 498 number may not take this course for credit.

ENCS 485 Field Course in Engineering and Sustainable Development (3 credits)

Prerequisite/Corequisite:

Students must complete a minimum of 24 credits towards an undergraduate program offered by the Gina Cody School of Engineering and Computer Science prior to enrolling, with a minimum GPA of 2.50.

Description:

This is a complementary field course for undergraduate students interested in areas of international development and global engineering. The course consists of lectures at Concordia University followed by a trip to a designated location where development is underway. Topics include location and context-specific history and evolution of development, globalization, sustainability initiatives, technological planning and analysis, and participatory data gathering. Students are required to complete a project-based research paper on a topic approved by the course instructor.

Component(s):

"Lecture"; "Fieldwork"

Notes:

- Students from other Faculties may register for this course with permission from the course instructor.

ENCS 498 Topics in Engineering and Computer Science (3 credits)

Prerequisite/Corequisite:

Permission of the GCS is required.

Description:

This course may be offered in a given year upon the authorization of the Gina Cody School of Engineering and Computer Science. The course content may vary from offering to offering.

Engineering Courses

ENGR 108 Engineering C.Edge Option Reflective Learning I (3 credits)

Prerequisite/Corequisite:

Permission of the GCS is required.

Description:

This course is a reflective learning module for students in their related field which is based on their academic requirements and their first C.Edge term.

Component(s):

"Lecture"

ENGR 201 Professional Practice and Responsibility (1.5 credits)

Description:

Health and safety issues for engineering projects: Quebec and Canadian legislation; safe work practices; general laboratory safety common to all engineering disciplines, and specific laboratory safety pertaining to particular engineering disciplines. Review of the legal framework in Quebec, particularly the Professional Code and the Engineers Act, as well as professional ethics.

Component(s):

"Lecture" 1.5 hours per week; "Tutorial" 1 hour per week, alternate weeks

ENGR 202 Sustainable Development and Environmental Stewardship (1.5 credits)

Description:

Introduction to the concept of sustainable development and the approaches for achieving it. Relationships with economic, social, and technological development. Methods for evaluating sustainability of engineering projects, including utilization of relevant databases and software. Impact of engineering design and industrial development on the environment. Case studies.

Component(s):

"Lecture" 1.5 hours per week

ENGR 208 Engineering C.Edge Option Reflective Learning II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 108. Permission of the GCS is required.

Description:

This course expands on the students' second C.Edge term in their related field of study to further develop their knowledge and work-related skills.

Component(s):

"Lecture"

ENGR 213 Applied Ordinary Differential Equations (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: MATH 204 (Cegep Mathematics 105). The following course must be completed previously: MATH 205 (Cegep Mathematics 203).

Description:

This course introduces Engineering students to the theory and application of ordinary differential equations. Definition and terminology, initial-value problems, separable differential equations, linear equations, exact equations, solutions by substitution, linear models, orthogonal trajectories, complex numbers, form of complex numbers: powers and roots, theory: linear equations, homogeneous linear equations with constant coefficients, undetermined coefficients, variation of parameters, Cauchy-Euler equation, reduction of order, linear models: initial value, review of power series, power series solutions, theory, homogeneous linear systems, solution by diagonalization, non-homogeneous linear systems. Eigenvalues and eigenvectors.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

ENGR 233 Applied Advanced Calculus (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 204 (Cegep Mathematics 105); MATH 205 (Cegep Mathematics 203).

Description:

This course introduces Engineering students to the theory and application of advanced calculus. Functions of several variables, partial derivatives, total and exact differentials, approximations with differentials. Tangent plane and normal line to a surface, directional derivatives, gradient. Double and triple integrals. Polar, cylindrical, and spherical coordinates. Change of variables in double and triple integrals. Vector differential calculus; divergence, curl, curvature, line integrals, Green's theorem, surface integrals, divergence theorem, applications of divergence theorem, Stokes' theorem.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

ENGR 242 Statics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: ENGR 213. The following courses must be completed previously PHYS 204; MATH 204.

Description:

Resultant of force systems; equilibrium of particles and rigid bodies; distributed forces; statically determinate systems; trusses; friction; moments of inertia; virtual work. Shear and bending moment diagrams.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

ENGR 243 Dynamics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213, ENGR 242.

Description:

Kinematics of a particle and rigid body; forces and accelerations; work and energy; impulse and momentum; dynamics of a system of particles and rigid bodies, introduction to vibrations.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

ENGR 244 Mechanics of Materials (3.75 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213; ENGR 242 or ENGR 245. The following course must be completed previously or concurrently: ENGR 233.

Description:

This course covers the following topics: mechanical behaviour of materials; stress; strain; review of shear and bending moment diagrams; analysis and design of structural and machine elements subjected to axial, torsional, and flexural loadings; combined stresses and stress transformation; deflections; introduction to elastic stability and buckling behaviour.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 3 hours per week, alternate weeks

ENGR 245 Mechanical Analysis (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHYS 204. The following course must be completed previously or concurrently: ENGR 213.

Description:

This course covers the following topics: forces in a plane and in space, moments of forces, rigid bodies in equilibrium, and free-body diagram; centroids and centres of gravity; distributed forces and moments of inertia; principle of virtual work; kinematics of particles and rigid bodies; forces and accelerations; work and energy; kinetics of particles and rigid bodies.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

ENGR 251 Thermodynamics I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 203 (Cegep Mathematics 103).

Description:

Basic principles of thermodynamics and their application to various systems composed of pure substances and their homogeneous non-reactive mixtures. Simple power production and utilization cycles.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

ENGR 290 Introductory Engineering Team Design Project (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 243; ENCS 282; ENGR 213, ENGR 233.

Description:

The introductory team design project introduces students to teamwork, project management, engineering design for a complex problem, technical writing and technical presentation in a team environment. Students work in teams and each team designs and builds a prototype defined by the Department. Students present their design and demonstrate that their design works in a competition at the end of the term. The students are also introduced to the basic principles of mechanics including the description of translational motion, rotational motion, forces and moments, work and energy, and they build a mechanical prototype to which the electronics and software are then added. A significant team project is required in this course.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

Notes:

- All written documentation must follow the Concordia Form and Style guide. Students are responsible for obtaining this document before beginning the project.

ENGR 301 Engineering Management Principles and Economics (3 credits)

Description:

Introduction to project delivery systems. Principles of project management; role and activity of a manager; enterprise organizational charts; cost estimating; planning and control. Company finances; interest and time value of money; discounted cash flow; evaluation of projects in private and public sectors; depreciation methods; business tax regulations; decision tree; sensitivity analysis.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

ENGR 308 Engineering C.Edge Option Reflective Learning III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 208. Permission of the GCS is required.

Description:

This course further expands on the students' third C.Edge term in their related field of study to further develop their knowledge and work-related skills.

Component(s):

"Lecture"

ENGR 311 Transform Calculus and Partial Differential Equations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213, ENGR 233.

Description:

This course covers the following topics: the Laplace transforms and their application to the solution of ordinary differential equations; Fourier series; elements of partial differential equations; Fourier method of separation of variables for the solution of partial differential equations; the one-dimensional transient heat conduction parabolic equation; the one-dimensional wave hyperbolic equation; the two-dimensional Laplace elliptic equation.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

ENGR 361 Fluid Mechanics I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213, ENGR 233, ENGR 251 or AERO 253.

Description:

The course covers basic concepts and principles of fluid mechanics. Classification of fluid flow. Hydrostatic forces on plane and curved surfaces, buoyancy and stability, fluids in rigid body motion. Mass, momentum, and energy conservation integral equations. Bernoulli equation. Basic concepts of pipe and duct flow. Introduction to Navier-Stokes equations. Similarity and model studies.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

ENGR 371 Probability and Statistics in Engineering (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213, ENGR 233.

Description:

This course starts out with axioms of probability theory, events, conditional probability and Bayes theorem. Next, random variables are introduced. Here, mathematical expectation, discrete and continuous probability density functions are covered. In statistics sampling distributions, interval estimation and hypothesis testing are introduced. The course includes applications to engineering problems.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

ENGR 391 Numerical Methods in Engineering (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213, ENGR 233; COMP 248 or COEN 243 or MECH 215 or MIAE 215 or BCEE 231.

Description:

This course focuses on roots of algebraic and transcendental equations; function approximation; solution of simultaneous algebraic equations; interpolation; regression; introduction to machine learning; numerical differentiation; numerical integration; numerical solutions of ordinary differential equations and partial differential equations; reliability; conditioning; error analysis. Implementation using GNU Octave/MATLAB.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

ENGR 392 Impact of Technology on Society (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENCS 282; ENGR 201, ENGR 202.

Description:

Social history of technology and of science including the industrial revolution and modern times. Engineering and scientific creativity, social and environmental problems created by uncontrolled technology, appropriate technology.

Component(s):

"Lecture" 3 hours per week

ENGR 411 Special Technical Report (1 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENCS 282. Permission of the Department is required.

Description:

Students must submit a report on a topic related to the students' discipline and approved by the Department. The report must present a review of a current engineering problem, a proposal for a design project, or a current engineering practice.

Component(s):

"Lecture"

Notes:

- Students who have received credit for ENGR 410 may not take this course for credit.

ENGR 412 Honours Research Project (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENCS 282. Students must complete a minimum 75 credits in the BEng program with a cumulative GPA of 3.00 or better prior to enrolling. Permission of the Department is required.

Description:

Students work on a research project in their area of concentration, selected in consultation with and conducted under the supervision of a faculty member of the Department. The student's work must culminate in a final report, as well as an oral presentation. Students planning to register for this course should consult with the Department prior to term of planned registration. Intended for students with potential interest in graduate programs.

Component(s):

"Research"

Notes:

- Must be approved by the Department prior to registration

ENGR 472 Robot Manipulators (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 372 or MECH 371.

Description:

Spatial descriptions and transformations. Manipulator forward and inverse kinematics. Jacobians: velocities and static forces. Manipulator dynamics. Trajectory generation. Position control of manipulators. Force control of manipulators. Robot programming languages.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ENGR 490 Multidisciplinary Capstone Design Project (6 credits)

Prerequisite/Corequisite:

Students must be eligible to register in one of the following courses: AERO 490; BLDG 490; CIVI 490; COEN 490; ELEC 490; INDU 490; MECH 490; COMP 490 or SOEN 490.

Description:

Students work on a supervised team project to solve a complex interdisciplinary design problem. The project is completed by a team of students from at least two different departments in Gina Cody School of Engineering and Computer Science. The project must provide clear goals for each disciplinespecific task and each student must have sufficient exposure to subjects in their program of study. Student eligibility and project topics for this course are subject to approval by the ENGR 490 Design Committee, which includes a member from each department in Gina Cody School of Engineering and Computer Science that offers undergraduate programs. This committee vets each project to ensure the clarity and scope of the goals and its relevance to the learning outcomes of students from each discipline. The project is carried out over both fall and winter terms. Students are expected to provide a preliminary project proposal, a progress and a final report (as a group); take part in group discussions in audit sessions during the design phase; and participate in a poster session involving individual oral presentations at the end of the winter term. In addition to the technical aspects, students are expected to learn how to evaluate their designs for compliance to regulations, environmental and societal expectations and economic issues. Students learn how to work in a multidisciplinary environment and receive exposure to entrepreneurial skills.

Component(s):

"Lecture" 1 hour per week, two terms; "Laboratory" Equivalent time, 5 hours per week, two terms

Notes:

- Students work in groups under direct supervision of a faculty member.

ENGR 498 Topics in Engineering (3 credits)

Prerequisite/Corequisite:

Permission of the GCS is required.

Description:

This course may be offered in a given year upon the authorization of the Gina Cody School of Engineering and Computer Science. The course content may vary from offering to offering.

Notes:

- This course may be offered in a given year upon the authorization of the GCS.

Aerospace Engineering Courses

AERO 201 Introduction to Flight and Aerospace Systems (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: ENGR 213.

Description:

Introduction to flight vehicles in the atmosphere and in space; elements of aerodynamics, airfoils and wings; aerospace technologies including structures, materials and propulsion systems; elements of aircraft performance; basic principles of flight stability, control and systems integration; aspects of aircraft conceptual design.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 4 hours per week, alternate weeks

Notes:

- Permission of the Department is required for non-Aerospace Engineering students.

AERO 253 Thermal Sciences for Aerospace Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 213; MATH 205.

Description:

This course introduces students to the fundamental concepts of thermodynamics as they apply to aerospace engineering. Topics covered include state properties, equations of state, and the principles of work and heat transfer. Students explore the different modes of heat transfer: conduction, convection, and radiation. The first law of thermodynamics will be applied to both closed systems and steady-flow open systems, with a focus on heat transfer applications. The course also covers the second law of thermodynamics, including the concept of entropy. Finally, students examine the thermodynamic principles governing aerospace power cycles.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

AERO 290 Introduction to Aircraft Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AERO 201. The following course must be completed previously or concurrently: ENCS 282.

Description:

Students taking this course will work as part of a multidisciplinary team to solve an assigned aerospace conceptual design problem. The course provides introductory, design-related knowledge on aerospace design topics including structural layout, powerplant integration, integrated systems requirements (such as avionics, electrical, flight controls, hydraulic, fuel, air, pressurization) and preliminary performance predictions. Lectures instruct students on the conceptual design process;

aircraft sizing including take-off weight, empty weight and fuel-fraction estimates; mission analysis and trade studies; airfoil selection; constraint diagrams for thrust-to-weight and wing loading estimation; fuselage layout, engines and control surface sizing; structural and systems layout; introductory stability, control and performance; and cost analysis methods.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

AERO 371 Modelling and Control Systems (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 205; ENGR 213, ENGR 243. The following course must be completed previously or concurrently: ENGR 311 or ELEC 342 or ELEC 364.

Description:

Definition and classification of dynamic systems and components. Modelling of system components using ordinary differential equations: mechanical, electrical, electromechanical, and electrohydraulic subsystems in an airplane. Modelling of systems using transfer function models, block diagrams and signal flow graphs. Linearization of non-linear systems. Transient and steady-state characteristics of dynamic systems. Systems analyses using time domain methods, root-locus methods, and frequency response methods. Characteristics and performance of linear feedback control systems. System stability. Proportional, integral and derivative controllers. Simulation technique using Matlab/Simulink.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

Notes:

- Students who have received credit for ELEC 372 or MECH 371 may not take this course for credit.

AERO 390 Aerospace Engineering Design Project (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AERO 290, AERO 371; ENCS 282.

Description:

This course focuses on general design philosophy and the design process. The following topics are covered: design factors such as product safety, reliability, life cycle costs and manufacturability; design in the aerospace context (vehicle and system design with regard to mission requirements, configuration, sizing, loads, etc.); mathematical modelling, analysis, and validation; introduction to Computer-Aided Design and Engineering (CAD and CAE); design documentation. A team-based project in which an aerospace system/subsystem is designed, implemented, documented and presented is an intrinsic part of this course.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

AERO 417 Standards, Regulations and Certification (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 201.

Description:

Overview of DoT and other international aviation standards (e.g. FAA), regulations and certification procedures; regulatory areas, namely, pilot training/testing, air traffic procedures, aircraft systems design and airworthiness; development process for new regulations and criteria for certification.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for ENGR 417 or for this topic under an ENGR 498 number may not take this course for credit.

AERO 431 Principles of Aeroelasticity (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 361; MECH 375.

Description:

This course covers the following topics: aerodynamic loading of elastic airfoils; phenomenon of divergence; effect of flexible control surface on divergence of main structure; divergence of one- and two- dimensional wing models; phenomenon of flutter; flutter of two- and three-dimensional wings; flutter prevention and control; panel flutter in high-speed vehicles, flutter of turbomachine bladings, galloping, vortex-induced oscillations, bridge buffeting.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks.

Notes:

- Students who have received credit for MECH 431 may not take this course for credit.

AERO 446 Aerospace Vehicle Performance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 361.

Description:

Introduction to fixed-wing aircraft operation. Flying environment and its measurement by aircraft instrumentation. Computation of lift and drag, effects of viscosity and compressibility. Review of piston, turboprop, turbojet and turbofan power plants. Operational performance of aircraft in climb, cruise, descent and on ground. Advanced aircraft systems. Operational considerations in aircraft design. Projects on selected topics.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

AERO 455 Computational Fluid Dynamics for Aerospace Applications (3.75 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 311, ENGR 391; MECH 361.

Description:

Introduction to computational methods in fluid dynamics using commercial CFD codes; aspects of geometry modelling, structured and unstructured grid generation, solution strategy, and post-processing; conversion of CAD to CFD models; an overview of basic numerical methods for the Navier-Stokes equations with emphasis on accuracy evaluation and efficiency. Elements of turbulence closure modelling. User-defined function for customized physical models into commercial CFD codes.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 3 hours per week, alternate weeks

AERO 462 Turbomachinery and Propulsion (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MECH 351, MECH 361.

Description:

This course covers the following topics: review of the gas turbine cycle and components arrangement; turbo-propulsion (turboprop, turbofan, turbojet and turboshafts); energy transfer in turbomachines (Euler equation, velocity triangles); dimensional analysis of turbomachines; flow in turbomachines; three-dimensional flow in turbomachines; mechanisms of losses in turbomachines; axial-flow turbines and compressors; centrifugal compressors; compressor and turbine performance maps; surge and stall.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- This course is equivalent to MECH 462. Students who have received credit for MECH 462 may not take this course for credit.
- Students who have received credit for MECH 468 may not take this course for credit.

AERO 464 Aerodynamics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 361.

Description:

Flow conservation equations, incompressible Navier-Stokes equations, inviscid irrotational and rotational flows: the Euler equations, the potential and stream function equations. Dynamics of an incompressible inviscid flow field: the Kelvin, Stokes, and Helmholtz theorems. Elementary flows and their superposition, panel method for non-lifting bodies. Airfoil and wing characteristics, aerodynamic forces and moments coefficients. Incompressible flows around thin airfoils, Biot-Savart law,

vortex sheets. Incompressible flow around thick airfoils, the panel method for lifting bodies. Incompressible flow around wings, Prandtl's lifting line theory, induced angle and down-wash, unswept wings, swept wings. Compressible subsonic flow: linearized theory, Prandlt-Glauert equation and other compressibility correction rules, the area rule. Transonic flow: Von Karman's ransonic small disturbance equation, transonic full potential equation, super-critical airfoils.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- This course is equivalent to MECH 464. Students who have received credit for MECH 464 may not take this course for credit.

AERO 465 Gas Turbine Design (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AERO 462.

Description:

Review of turbo-propulsion types and energy transfer in turbomachines. Two- and three-dimensional flow. Lift and drag for airfoils. Cascade tests and correlations. Aerodynamic losses: physics, mechanisms, control of viscous effects. Preliminary and detailed design of turbines and compressors. Structural and thermal design requirements. Failure considerations: creep, fatigue and corrosion. Performance matching. Combustion and gearbox design. Air and oil systems design requirements. Installations and acoustics. Evolution of design. Recent trends in technologies.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

Notes:

- This course is equivalent to MECH 465. Students who have received credit for MECH 465 may not take this course for credit.

AERO 471 Aircraft Hydro-Mechanical and Fuel Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AERO 201. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on design principles and sizing of the following aircraft systems: hydraulic system, primary and secondary flight control actuation systems, landing gear systems, and fuel system. Traditional and new technology implementations in aircraft, helicopters and other aerospace vehicles are considered. Associated standards and regulations are described. Principles of architecture development and integration, as well as engineering tools for system sizing and simulation, are covered.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 12 hours total

AERO 472 Aircraft Pneumatic and Electrical Power Systems (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AERO 201; ENGR 361.

Description:

This course focuses on design principles and sizing of the following aircraft systems: electrical power system, auxiliary and emergency power systems, environmental control system, ice and rain protection system, and pneumatic power system. Traditional and new technology implementations in aircraft, helicopters and other aerospace vehicles are considered. Associated standards and regulations are described. Principles of architecture development and integration, as well as engineering tools for system sizing and simulation, are covered. A project is required, including a laboratory component.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 12 hours total

AERO 480 Flight Control Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AERO 371 or ELEC 372 or MECH 371 or SOEN 385.

Description:

Basic flight control and flight dynamics principles. Aircraft dynamic equations and performance data. Implementation of aircraft control: control surfaces and their operations, development of thrust and its control; autopilot systems, their algorithms, dynamics and interaction problems. Flight instruments, principles of operation and dynamics. Cockpit layouts — basic configuration, ergonomic design, control field forces; advanced concepts in instruments, avionics and displays; HUD; flight management systems, and communication equipment. Introduction to flight simulation: overview of visual, audio and motion simulator systems; advanced concepts in flight simulators.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

Notes:

- This course is equivalent to ELEC 415 and to MECH 480. Students who have received credit for ELEC 415 or MECH 480 may not take this course for credit.

AERO 481 Materials Engineering for Aerospace (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 221 or MIAE 221.

Description:

Different types of materials used in aerospace. Metals, composites, ceramics, polymers. Failure prediction and prevention. Modes of material failure, fracture, fatigue, creep, corrosion, impact. Effect of high temperature and multiaxial loadings. High temperature materials. Cumulative damage in fatigue and creep. Materials selection.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

Notes:

- This course is equivalent to MECH 481. Students who have received credit for MECH 481 may not take this course for credit.
- Students who have received credit for MECH 321 may not take this course for credit.

AERO 482 Avionic Navigation Systems (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 371 or COMP 233; AERO 371 or ELEC 372 or MECH 370 or MECH 371 or SOEN 385.

Description:

Basics of modern electronic navigation systems, history of air navigation, earth coordinate and mapping systems; basic theory and analysis of modern electronic navigation instrumentation, communication and radar systems, approach aids, airborne systems, transmitters and antenna coverage; noise and losses, target detection, digital processing, display systems and technology; demonstration of avionic systems using flight simulator.

Component(s):

"Lecture" 3 hours per week

Notes:

- This course is equivalent to ELEC 416 and to MECH 482. Students who have received credit for ELEC 416 or MECH 482 may not take this course for credit.

AERO 483 Integration of Avionics Systems (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AERO 482; ELEC 481.

Description:

This course covers the following topics: introduction to the basic principles of integration of avionics systems; review of Earth's geometry and Newton's laws; inertial navigation sensors and systems (INS); errors and uncertainty in navigation; Global Positioning System (GPS); differential and carrier tracking GPS applications; terrestrial radio navigation systems; Kalman filtering; integration of navigation systems using Kalman filtering; integration of GPS and INS using Kalman filtering.

Component(s):

"Lecture" 3 hours per week

Notes:

- This course is equivalent to ENGR 418. Students who have received credit for ENGR 418 may not take this course for credit.

AERO 485 Introduction to Space Systems (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MECH 351, MECH 361.

Description:

Classification of space propulsion systems; Tsiolkovskj's equation; ideal rocket and nozzle design; flight performance; basic orbital mechanics; chemical propellant rocket performance analysis; fundamentals of liquid and solid propellant rocket motors; electric, solar, fusion thruster.

Component(s):

"Lecture" 3 hours per week

Notes:

- This course is equivalent to MECH 485. Students who have received credit for MECH 485 or for this topic under a MECH 498 number may not take this course for credit.

AERO 486 Aircraft Stress Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 243, ENGR 244.

Description:

Definition of load paths in typical aircraft structures. Derivation of analysis procedures to enable the designer to size preliminary designs. Internal shear flow distributions that balance external loads. Stress analysis of open and closed cell beams; statically indeterminate beams and frames; single and multi cell torque boxes; symmetric heavy fuselage frames. Structural instability of columns, beams, plates and flanges in compression and shear. Centres of twist and flexure; structural warping; margins of safety; concepts of optimum design; lug analysis and mechanical joints; matrix analysis methods leading to the Finite Element method. Stress analysis of thin-walled metallic structures.

Component(s):

"Lecture" 3 hours per week

Notes:

- This course is equivalent to MECH 486. Students who have received credit for MECH 486 may not take this course for credit.

AERO 487 Design of Aircraft Structures (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AERO 486.

Description:

Design process for aircraft structures. Aero/performance aspects of aircraft structures. Airworthiness and design considerations. Materials. Static, vibratory and aeroelastic loadings. Propulsion-induced loadings. Functions and fabrication of structural components. Design for buckling of aircraft structures: local buckling, instability of stiffened panels, flexural torsional buckling. Design for fracture and fatigue failures. Stress analysis and design of wings, fuselages, stringers,

fuselage frames, wing ribs, cut-outs in wings and fuselages, and laminated structures. Design using Finite Element Method. Concept of Optimum Design of Aircraft Structures. Design case studies.

Component(s):

"Lecture" 3 hours per week

Notes:

- This course is equivalent to MECH 487. Students who have received credit for MECH 487 may not take this course for credit.

AERO 490 Capstone Aerospace Engineering Design Project (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AERO 390; ENGR 301. Students must have completed 75 credits in the program prior to enrolling.

Description:

This course includes a supervised design, simulation or experimental capstone design project including a preliminary project proposal with complete project plan and a technical report at the end of the fall term; a final report by the group and presentation at the end of the winter term.

Component(s):

"Lecture" 1 hour per week, one term; "Laboratory" Equivalent time, 5 hours per week, two terms

Notes:

- Students work in groups under direct supervision of a faculty member.
- With permission of the Department, students may enrol in MECH 490 instead of AERO 490 on the condition that they choose to complete an aerospace-oriented project.

Building, Civil and Environmental Engineering Courses

BCEE 231 Structured Programming and Applications for Building and Civil Engineers (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 204. The following course must be completed previously or concurrently: ENGR 242.

Description:

Elements of procedural programming: variables, primitive data types, scope, operators and expressions, control structures, functions, derived data types and basic data structures. Program structure and development: specifications, analysis of requirements, flow charting, incremental development, testing, validation and program documenting. Application of procedural programming, graphics and numerical tool box to mathematics and building, civil and environmental engineering.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

BCEE 277 Introduction to AI in Natural and Built Environment (2.5 credits)

Description:

This course introduces students to the fundamental concepts of Artificial Intelligence (AI) and its role in the built environment. It covers the opportunities and limitations of AI in design, construction, operation, maintenance, and end-of-life phases of buildings and infrastructure. The course emphasizes the critical role of data in enabling AI applications, introduces data management fundamentals, and explores key AI tools and techniques for data analysis. By the end of the course, students (i) have a broad understanding of AI, its applications, and its requirements in building, civil and environmental engineering; (ii) are able to understand a dataset, identify inconsistencies, handle missing data, and prepare it for training machine learning (ML) and other AI models; and (iii) are able to use effective visualization techniques to explore and present data insights.

Component(s):

"Lecture" 2.5 hours per week; "Tutorial" 2 hours per week

BCEE 342 Structural Analysis I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 244.

Description:

Analysis of statically determinate structures: deflections, strain energy concepts, virtual work principles. Mueller Breslau principle, influence lines. Approximate methods for statically indeterminate structures. Collapse load analysis. Cables and Arches. Computer applications.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

BCEE 343 Structural Analysis II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 342

Description:

Analysis of statically indeterminate structures: the methods of consistent deformations, slope deflection, and moment distribution. Application of virtual work principles. Introduction to matrix methods. Computer applications.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

BCEE 344 Structural Design of Steel and Wood Elements (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 342.

Description:

This course covers the following topics: basis for limit states design, code requirements, structural steel design: tension and compression members, beams and beam-columns, connections, design of timber members.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

BCEE 345 Structural Design of Reinforced Concrete Elements (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 342.

Description:

This course covers the behaviour of reinforced concrete elements in flexure, compression, shear and bond. Other topics covered in the course are limit states design of reinforced concrete beams, one-way slabs, columns, and footings; serviceability limits states; introduction to prestressed concrete and masonry structures.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

BCEE 371 Surveying (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BLDG 212 or CIVI 212.

Description:

This course covers the following topics: elementary operations employed in engineering surveying; use, care, and adjustment of instruments; linear and angular measurements; traversing; earthwork calculations; theory of errors; horizontal and vertical curves and curve layout; slope stakes and grades, application of surveying methods to city, topographic surveying, and introduction to advanced surveying techniques; use of digital computers in surveying calculations.

Component(s):

"Lecture"; "Fieldwork" 6 hours per day; 5 days per week for 3 weeks

Notes:

- This summer school course is taken before entering second year of study in the BEng program.

BCEE 377 Applied AI for the Built Environment (2.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 277.

Description:

This course builds upon the foundational knowledge of Artificial Intelligence (AI) to introduce students to machine learning (ML), deep learning, and generative AI in the context of building, civil, and environmental engineering. Students learn how ML models are trained and tested and explore applications such as computer vision, text mining, and natural language processing (NLP) in the context of the built environment. Additionally, the course introduces prompt engineering and design thinking as innovative approaches to AI-powered problem-solving in building and civil engineering. The course has a term project.

Component(s):

"Lecture" 2.5 hours; "Tutorial" 2 hours per week; In Person (P)

BCEE 432 Soil Mechanics (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 244.

Description:

This course covers the geological origin of soils, basic principles of physical geology with emphasis on topics related to soil mechanics; definition of the index properties and classification of soils and weight-volume relationships; the characterization of soils structure and moisture-density relationships; the definition of permeability, deformation, and strength of soils; the principle of total and effective stresses as related to soils; the characterization of steady stage seepage through isotropic soil media; the analysis of stress distribution due to external loads and evaluation of total settlements; brief outline of theory of consolidation; introduction to the fundamentals of stability of earth retaining walls, slopes, and footings.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

BCEE 451 Construction Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BLDG 341 or CIVI 341.

Description:

The nature of construction and the environment in which the industry works; organizational structures for project delivery; construction contracts and documents; introduction to construction processes: excavation and site works, foundation layout, concrete form design, concrete, steel, timber, and masonry construction; project planning, scheduling, and control; construction safety.

Component(s):

"Lecture" 3 hours per week

BCEE 452 Fundamentals of Finite Element Analysis of Structures (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213, ENGR 233; BCEE 231, BCEE 343.

Description:

Matrix formulation of the force and of the displacement methods of analysis. Direct stiffness approach; finite element methods for structural analysis. Truss, beam, plane strain, plane stress, shell and solid elements. Computer applications.

Component(s):

"Lecture" 3 hours per week

BCEE 455 Introduction to Structural Dynamics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 243, ENGR 391; BCEE 342.

Description:

Dynamic response of simple structural systems. Effects of blast, wind, traffic, and machinery vibrations. Basic concepts in earthquake resistant design. Computer applications.

Component(s):

"Lecture" 3 hours per week

BCEE 464 Project Cost Estimating (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 301.

Description:

Techniques and procedures used for estimating cost of construction projects. Cost estimation process; elements of project cost; conceptual and detailed cost estimation methods; risk assessment and range estimating; case studies; computer-aided estimating.

Component(s):

"Lecture"

BCEE 465 Construction Planning and Control (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 478 or equivalent.

Description:

This course covers the following topics: methods of delivering construction, contractual relationships and organizational structures, phases of project development, estimating resource requirements, costs and durations, bidding strategies, network analysis using CPM and PERT, time-cost trade-off, resource allocation, cash flow analysis, earned-value concept for integrated time and cost control, quality control, and value engineering.

Component(s):

"Lecture" 3 hours per week

BCEE 466 Simulations and Design of Construction Operations (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 451.

Description:

Principles of modelling and simulation. Classification and validation of simulation models. Analysis of input data and outputs. Object Oriented Simulation (OOS). Simulation languages. Application of discrete event simulation in construction operations including earthmoving operations, building construction operations, and tunnelling operations.

Component(s):

"Lecture"

BCEE 478 Project Management for Construction (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BLDG 341 or CIVI 341.

Description:

This course introduces project management techniques in construction, including project delivery methods, construction contracts, cost estimating and bidding planning and scheduling, cash flow analysis, project tracking, control and computer applications.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for BLDG 478 may not take this course for credit.

BCEE 491 Labour and Industrial Relations in Construction (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 301.

Description:

The study of labour legislation is covered, with special emphasis on the construction industry, union organization, the theory and practice of negotiations, mediation, contract administration, and arbitration. Moreover, the review of actual contracts and future trends are discussed.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for BLDG 491 may not take this course for credit.

BCEE 492 Construction Processes (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 451 or ENGR 451.

Description:

This course is a study of current construction methods and techniques. The subjects include site preparation and earth-work, wood framing, masonry, concrete forming, slip forming, precast construction, industrialized building, deep excavation shoring and underpinning. Other topics covered in the course are design, erection, and removal of temporary construction work, current field practice and safety considerations and site visits.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for BLDG 492 may not take this course for credit.

BCEE 493 Legal Issues in Construction (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 301.

Description:

Legal concepts and processes applicable to the development of constructed facilities and to the operation of the construction firm are covered. Emphasis is given to Quebec law and institutions.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for BLDG 493 may not take this course for credit.

Building Engineering Courses

BLDG 212 Building Engineering Drawing and Introduction to Design (3 credits)

Description:

Fundamentals of technical drawing, dimensioning practices, orthographic projections, auxiliary and sectional views of buildings. Theory and applications of descriptive geometry in building design. Computer-aided building drawing. Building sub-systems and related graphics standards; architectural and building engineering drawing at preliminary and final stages. Introduction to the design of light-frame buildings. Project: representation of a building and its sub-systems. Introduction to conceptual design.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

BLDG 341 Building Engineering Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: BCEE 231.

Description:

Introduction to systematic solution of building engineering problems. Techniques treated include linear programming, network analysis, nonlinear programming. Introduction to decision analysis and simulation. Application of optimization methods for solution of design problems in building science, building environment, building structures, and construction management, taking into account sustainability issues.

Component(s):

"Lecture" 3 hours per week

BLDG 365 Building Science (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 251.

Description:

General introduction to the thermal environment and sustainable development issues. Topics include heat, temperature, one-dimensional steady-state processes. Convection: natural and forced. Radiation. Combined radiative and convective surface transfer. Psychrometrics. Thermal comfort. Air quality. Condensation: surface and interstitial. Introduction to compressible viscous flow, friction, and flow in pipes; boundary layer and wind effects.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

BLDG 366 Acoustics and Lighting (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 243.

Description:

General introduction to the aural and visual environment. Psychological impact of environment. Subjective and objective scales of measurement. Introduction to vibration. The hearing mechanism. Transmission of sound, passive control of noise in buildings, transmission loss, absorption and reverberation time. Room acoustic assessment. Active control of the aural environment. Visual perception. Photometry, brightness, luminance, and illumination. Concept of natural lighting in building. Artificial lighting; light sources; luminaries. Calorimetry. Calculation methods for artificial lighting.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

BLDG 371 Building Service Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: BLDG 365.

Description:

Principles of building service systems, including electrical, gas, communications, service-water supply and distribution; introduction to plans, codes, and standards for utility distribution systems.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

BLDG 390 Building Engineering Design Project (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BLDG 341; ENCS 282. The following course must be completed previously or concurrently: BCEE 344.

Description:

The project of each team will encompass various stages of design of a medium-size building. Students learn building engineering design process, methodology, identification of objectives, building codes, formulation of design problems, and estimation of loads on buildings. The design topics encompass the development and evaluation of sustainable building design alternatives; conceptual building design of spatial requirements, design of space layout; and building design accounting for the synthesis and design of structures, enclosure systems, and services (HVAC, lighting, electrical distribution) using computer-aided design tools. Additionally, performance evaluation using modelling, sensitivity analysis and cost estimation is presented.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 1 hours per week, alternate weeks

BLDG 462 Non-structural Building Materials (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CIVI 321.

Description:

This covers mechanical, thermal and non-traditional building materials such as: plastics, fibres, adhesives, sealants and coatings, plastic cellular foams, sandwich panels, composites, polymer and fibre-reinforced mortars, polymer and polymer composite membranes, water- resistive membrane and air and vapour control barriers. The degradation of materials is introduced, including the effects of actions due to corrosion, biological agents, heat and solar radiation, and thermal dilation. The application of materials and building products in buildings is demonstrated through the use of specifications, their performance assessment by testing, and relation to the building code.

Component(s):

"Lecture" 3 hours per week

BLDG 463 Building Envelope Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BLDG 365.

Description:

Technical influences in the design of building envelope, including the control of heat flow, air and moisture penetration, building movements, and deterioration are covered. Other topics covered by the course are the application of air/ vapour barrier and rain-screen systems, performance assessment and building codes through case studies and design projects, sustainable design principles, design of walls, roofs, joints and assemblies. Students also learn cause of deterioration and preventive measures, on-site investigation and relevant building codes and standards.

Component(s):

"Lecture" 3 hours per week

BLDG 465 Fire and Smoke Control in Buildings (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BLDG 365.

Description:

Topics treated include fire and smoke control; failure mechanisms of building enclosure illustrated by case studies; code requirements for enclosure systems; systems approach for fire safety.

Component(s):

"Lecture" 3 hours per week

BLDG 471 HVAC System Design (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BLDG 371. The following course must be completed previously or concurrently: BLDG 476.

Description:

Principles of HVAC system design and analysis; sustainable design issues and impact on environment; component and system selection criteria including room air distribution, fans and air circulation, humidifying and dehumidifying processes, piping and ducting design. Air quality standards. Control systems and techniques; operational economics; computer applications.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

BLDG 472 Energy Management in Buildings (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: BLDG 471.

Description:

This course covers methods of assessment to compare energy performance of new and existing buildings. Prediction methods of life cycle energy use, demand and cost, and operational greenhouse gas (GHG) emissions are discussed. The course presents verification of compliance of the building and Heating, Ventilation, and Air Conditioning (HVAC) system design with standards requirements. Commissioning methods of HVAC systems in buildings and analysis of measurements data are explained. Prediction of the impact of energy-related retrofits and integration of passive or active solar systems, geothermal systems, and free cooling are discussed. The course introduces case studies of HVAC systems with high-energy performance and low GHG emissions and uses commercially available software packages for the assessment of building energy performance.

Component(s):

"Lecture" 3 hours per week

BLDG 473 Building Acoustics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BLDG 366.

Description:

Noise control criteria and regulations, instrumentation, noise sources, room acoustics, walls, barriers and enclosures, acoustical materials and structures, vibration and noise control systems for buildings.

Component(s):

"Lecture" 3 hours per week

BLDG 474 Building Illumination and Daylighting (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BLDG 366.

Description:

Production, measurement and control of light. Photometric quantities, visual perception and colour theory. Daylight and artificial illumination systems. Radiative transfer, fixture and lamp characteristics, control devices and energy conservation techniques. Design of lighting systems. Solar energy utilization and daylighting. Integration of lighting systems with mechanical systems for energy conservation and sustainable development.

Component(s):

"Lecture" 3 hours per week

BLDG 475 Indoor Air Quality and Ventilation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: BLDG 371.

Description:

This course introduces indoor air quality (IAQ) in building environmental comfort management. Physical-chemical characteristics and health effects of various inorganic, organic, and biological indoor air pollutants are covered. National and provincial standards and regulations for common indoor air pollutants are reviewed. The course presents strategies for moisture control and approaches to minimize the risk of the presence of particulate matter, radon, and asbestos in buildings. Design of ventilation systems for pollutant control, connections between outdoor and indoor air quality, and several air purification and filtration technologies are discussed.

Component(s):

"Lecture" 3 hours per week

BLDG 476 Thermal Analysis of Buildings (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BLDG 365; ENGR 361.

Description:

Two- and three-dimensional steady-state and transient conductive heat transfer together with convection and radiation as applied to building materials and geometries. Heating and cooling load analysis, including building shapes, construction type, solar radiation, infiltration, occupancy effects, and daily load variations. Computer applications for thermal load analysis. Introduction to heat exchangers.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

BLDG 477 Control Systems in Buildings (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: BLDG 371.

Description:

Introduction to automatic control systems. Control issues related to energy conservation, indoor air quality and thermal comfort in buildings. Classification of HVAC control systems. Control system hardware: selection and sizing of sensors, actuators and controllers. Practical HVAC control systems; elementary local loop and complete control systems. Designing and tuning of controllers. Building automation systems. Case studies.

Component(s):

"Lecture" 3 hours per week

BLDG 479 Commissioning of HVAC Systems in Buildings (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: BLDG 471.

Description:

This course covers the following topics: introduction; scope of commissioning of Heating, Ventilating and Air Conditioning (HVAC) systems including commissioning, retro-commissioning, recommissioning, continuous commissioning, and ongoing commissioning; process vs. technical commissioning; instrumentation for the monitoring of HVAC operation and performance; uncertainty analysis of experimental data; mathematical models of different classes of virtual sensors; data mining techniques applied to measurements from HVAC systems; development of benchmarking models of the normal HVAC operation including correlation-based models, Artificial Neural Networks, and calibrated models; methods for the automated faults detection and diagnostic (FDD); forecasting models of the energy demand in buildings; recommissioning measures for HVAC systems; methods of estimation of energy and cost savings due to the commissioning of HVAC systems.

Component(s):

"Lecture" 3 hours per week

BLDG 480 Building Information Modelling in Construction (3 credits)

Description:

This course covers the following topics: introduction to Building Information Modelling (BIM) technologies; BIM implementation at different project stages (pre-construction, construction, and facility management); BIM-Aided design alternatives (constructability analysis, and development of space-time-cost models); BIM for visualization (trade coordination and processes monitoring). A project is required.

Component(s):

"Lecture" 3 hours per week

BLDG 481 Fundamentals of Facility Management (3 credits)

Description:

The course provides a study of the fundamental practices concomitant with facility management. The subjects include facility management industry backgrounds, management of outsourced services, financial analysis, asset management as it relates to building systems and controls. The course has a focus on sustainability, finance, maintenance and operations of facilities and considers solutions to facility management challenges.

Component(s):

"Lecture" 3 hours per week

BLDG 482 Impact of Technology on Society and Architecture (3 credits)

Prerequisite/Corequisite:

Students must complete 20 courses in the BEng program prior to enrolling.

Description:

History of architecture as the confluence of social and technological evolution. Methodology and thought processes in the theory and design of cities and the human habitat. Impact of technology on society. Energy conservation, environmental constraints and sustainability issues.

Component(s):

"Lecture" 3 hours per week

BLDG 483 Solar Building Modelling, Design and Operation (3 credits)

Description:

This course introduces the design principles of solar buildings, including direct gain, indirect gain and solaria. Numerical and analytical modelling of net zero energy solar buildings are covered. The course presents key technologies for solar buildings, including advanced fenestration systems and control of solar gains, building-integrated photovoltaic systems, thermal storage systems, solar thermal collectors and integrated energy systems that combine these technologies to achieve net-zero energy performance. Cases of advanced net-zero energy buildings and solar demonstration projects are studied.

Component(s):

"Lecture" 3 hours per week

BLDG 484 Diagnostics and Rehabilitation of Building Envelope (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: BLDG 463.

Description:

This course covers the following topics: modes of failures including wood decay, mould growth, freeze-thaw, corrosion, chemical reaction, and movements; common failures in building envelopes including contemporary and traditional walls, windows, roofs and below-grade structures; performance assessment protocols including diagnostics procedures, laboratory and field test methods; remedy strategies and maintenance plan; relevant building codes and standards. A project is required.

Component(s):

"Lecture" 3 hours per week

BLDG 490 Capstone Building Engineering Design Project (6 credits)

Prerequisite/Corequisite:

Students must complete a minimum of 75 credits in the BEng (Bldg) program prior to enrolling, including ENCS 282; BCEE 344, BCEE 345; BLDG 371, BLDG 390; ENGR 301.

Description:

The project of each team encompasses the integrated design of at least three sub-systems of a new or retro-fitted building to achieve high performance and efficiency at reasonable cost; sustainable design and environmental impact issues are addressed in all projects. In the process, students learn, through case studies and literature survey, the information gathering and decision/design process, problem-resolution as well as aspects related to management, teamwork and communication. Students registering for this course must contact the course coordinator for the detailed procedure.

Component(s):

"Lecture" 3 hours per week, two terms

Notes:

- Students work in groups under direct supervision of a faculty member.

BLDG 498 Topics in Building Engineering (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course may be offered in a given year upon the authorization of the Department. The course content may vary from offering to offering and will be chosen to complement the available elective courses.

Component(s):

"Lecture" 3 hours per week

Chemical and Materials Engineering Courses

CHME 200 Introduction to Chemical Process Engineering (3 credits)

Prerequisite/Corequisite:

Enrolment in a program offered by the Gina Cody School of Engineering and Computer Science is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This introductory course provides the fundamentals of chemical process design and thinking like a chemical engineer. Students are introduced to principles of plant economics, unit conversions, process simulation, and various ways to represent process organization, such as block and process flow diagrams. Fitting correlations to chemical plant data and an introduction to sensors and measuring devices are also included and related to Industry 4.0. Basic relationships between physical properties of liquids and gases and chemical reactions stoichiometry are expanded, and material and energy balances are studied in detail. An introduction to engineering software, such as ASPEN, for the modelling of chemical processes is covered.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

CHME 201 Innovative, Sustainable, and Safe Manufacturing in the Chemical Industry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 220; ENGR 251.

Description:

Sustainable development concepts are discussed as they apply to chemical processes. Green chemistry principles and the design of sustainable chemical processes are introduced. Waste minimization, materials recycling, energy conservation and environmental remediation are also covered, as well as sustainability assessments and safety evaluations (HAZOP).

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CHME 214 Applied Linear Algebra for Chemical Engineers (3 credits)

Prerequisite/Corequisite:

Prerequisites: MATH 204, MATH 205.

Description:

This course provides an introduction to abstract vector spaces, matrices and linear algebra. Applications in engineering are covered, including solving linear systems of differential equations, image processing, linear programming and constrained optimization, as well as statistics and piecewise linear learning functions.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CHME 215 Programming for Chemical and Materials Engineers (3.5 credits)

Prerequisite/Corequisite:

Enrolment in a program offered by the Gina Cody School of Engineering and Computer Science is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on the fundamentals of scripting and writing simple programs. Students learn programming logic, variables and types, operators and expressions, conditional and repetitive statements, input and output, file access, functions, program structure and organization, and introduction to classes and objects. These concepts are applied to solve basic chemical engineering applications.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

Notes:

- Students who have received credit for COEN 243, COMP 248, MECH 215, or MIAE 215 may not take this course for credit.

CHME 216 Advanced Programming for Chemical Engineers (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 215 or equivalent (COEN 243; COMP 248; MECH 215; MIAE 215).

Description:

This course deepens the application of programming for data acquisition and visualization using popular Python libraries and Arduino platform. It introduces in a practical way how data can be acquired with sensors and interrogated remotely. A project is part of the course in which students build a small system to remotely monitor sensor data and visualize them in appropriate plots.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

CHME 220 Material Properties and Chemical Characterization (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: MIAE 221.

Description:

This course provides students with a basic understanding of key material properties, the relationships between the structure-properties-processing-application of materials, and the methods of characterizing materials structures and

materials properties. In addition to solid materials, fluid properties of gases and liquids are addressed. Students are expected to apply this knowledge towards solving problems in engineering applications.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

CHME 240 Chemical Engineering Lab I (1.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 200, CHME 214, CHME 351; ENGR 361.

Description:

This laboratory course emphasizes the practical aspects of introductory chemical engineering topics. Experiments in this course include temperature measurements, calorimetry, pressure measurements, and flow measurements. The theoretical concepts learned in the classroom are demonstrated through application in the laboratory setting using lab- and pilot-scale versions of industrial equipment and software.

Component(s):

"Laboratory" 6 hours per week, alternate weeks

CHME 300 Industrial and Engineering Chemistry (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 200.

Description:

This course provides an overview of prominent chemicals and production routes in the chemical industry. Processes for bulk chemical production using conventional and novel routes are investigated, including oil refining, polymers, hydrometallurgy, and commodity chemicals. Concepts of sustainability, plant economics and PFDs for bulk chemical processes are studied. Simulations of bulk chemical production processes are also conducted using ASPEN software.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CHME 301 Chemical Reaction Engineering (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 200, CHME 351.

Description:

This course reviews the fundamentals of reaction rates and kinetic parameters and discusses their experimental determination. Mathematical equations for isothermal and non-isothermal batch, semi-batch, continuous, and plug flow reactors are covered and applied to reactor design and sizing. Additional topics include selectivity and optimization of reactors with multiple reactions; heterogeneous catalysis in packed bed reactors; and enzyme catalysis and the Michaelis-Menten mechanism for bioreactors.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

CHME 316 Advanced Data Analysis and Machine Learning for Chemical Engineers (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 216; ENGR 371, ENGR 391.

Description:

This course is designed to cover the theoretical and practical areas pertinent to modern data analysis and machine learning in engineering. Topics include traditional machine learning algorithms based on feature engineering (Linear regression, Logistic Regression, Bayesian classifier, K-nearest neighbors, Bagging and boosting, Random Forests), bias and variance, model selection and regularization, features selection, and introduction to neural networks.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

CHME 320 Technical and Advanced Materials (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 220.

Description:

This course focuses on advanced materials, technologies, and processes for mechanical systems in various industries. Topics include advanced structural and functional metallic, ceramic and polymer materials, their composites, and nanostructured materials in the context of their processing, characterization, performance, and applications. Strong emphasis is placed on failure mechanisms and analysis as well as design problems with advanced materials systems in references to industrial applications. Additional topics include processing of advanced materials in order to achieve desired mechanical behaviour, design optimization with advanced materials, as well as the economics of such systems. Various case studies are included throughout the course. The course includes team discussions and laboratory work followed by a comprehensive technical report.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CHME 321 Chemical and Materials Product Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 320.

Description:

This course discusses chemical and materials products, from their synthesis to their processing into final products in various industries. Topics include design, optimization, and manufacturing of chemicals and materials, material characterization, material performance and applications. Important aspects of the product design process, such as material selection and

failure mechanisms, are discussed in detail. This course demonstrates various case studies and requires team discussions, laboratory work and a comprehensive technical report.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week, alternate weeks

CHME 330 Chemical Process Dynamics and Control (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 301, CHME 361; ENGR 311.

Description:

Process dynamics and control of chemical processes are the fundamentals of this course, focusing on process modelling, controller design, and implementation. Differential equations are used to model dynamic systems and understand responses of first- and second-order systems to set point and disturbance changes. System stability with and without automatic control is assessed. Software is utilized to simulate the dynamic response of systems with/without automatic control and to design controllers.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CHME 340 Chemical Engineering Lab II (1.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 240, CHME 301, CHME 361.

Description:

This laboratory course emphasizes the practical aspects of various chemical engineering topics. Experiments in this course are designed to study reaction kinetics in continuous and plug flow reactors, calculate operational characteristic curves and efficiency of centrifugal pumps, compare different heat exchangers, and estimate diffusion coefficients. The theoretical concepts learned in the classroom are demonstrated through application in the laboratory setting using lab- and pilot-scale versions of industrial equipment and software.

Component(s):

"Laboratory" 6 hours per week, alternate weeks

CHME 351 Chemical Engineering Thermodynamics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 251. The following course must be completed previously or concurrently: ENGR 311.

Description:

This course reviews and applies fundamental principles of thermodynamics, including chemical and phase equilibrium. The course covers application to various chemical processes including pure and multicomponent phases, equilibria in complex

chemical reactions, and equilibria in separation processes. The course also covers thermodynamics of non-ideal pure and multicomponent phases.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CHME 352 Energy Conversion and Storage (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 351.

Description:

This course covers fundamentals of applied thermodynamics to energy systems, with a focus on renewable power systems. Topics include principles of energy conversion and thermodynamic engine cycles, analysis of energy consumption, conversion, and storage in power and transportation systems, with emphasis on efficiency, performance, and environmental impact.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CHME 360 Heat Transfer (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 351; ENGR 311.

Description:

This course discusses the principles of heat transfer in various geometries and configurations. Topics include shell energy balances; steady and unsteady state heat transfer via conduction; free and forced convection and radiation; heat exchangers; heat transfer in laminar and turbulent boundary layers.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- Students who have received credit for MECH 352 may not take this course for credit.

CHME 361 Mass Transfer and Unit Operations (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 360 .

Description:

This course covers the fundamentals of mass transfer including diffusive and convective mass fluxes. Mass transfer models leading to ordinary and partial differential equations in various geometries are discussed as well as mass transfer

calculations for design of continuous single-stage separation units with fluid interfaces such as absorption, stripping, and liquid-liquid extraction. The course introduces mechanical operations and Piping and Instrumentation Diagrams (P&ID).

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CHME 362 Chemical Separations Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 361.

Description:

This course reviews the fundamentals of heat and mass transfer, and phase equilibrium for ideal and non-ideal systems, including the equilibrium stage concept and cascades of stages with and without reflux. Applications in the separation of components by multi-stage processes including distillation, absorption, stripping, extraction, and leaching are covered as well as applications of simultaneous mass and heat transfer calculations for the design of continuous separation units with fluid interfaces.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CHME 390 Design Project (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 201, CHME 301, CHME 321. The following courses must be completed previously or concurrently: CHME 330, CHME 362; ENGR 301.

Description:

This course discusses the main steps in engineering systems design and operation with an emphasis on economics, safety, equipment performance, environment, and flexibility. Students work independently and in groups on problem-solving assignments and a term project. There are weekly tutorial sessions focusing on various aspects of process simulation using Aspen software.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

CHME 400 Sustainable Industrial and Engineering Chemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 201, CHME 300.

Description:

This course reviews the principles of green chemistry and presents alternatives to conventional routes for producing commodity and fine chemicals. Production of value-added chemicals from sustainable feedstock such as biomass and co-products/residues is discussed. Similarly, established catalytic reactions are compared with alternate production routes such

as electrochemical or photochemical synthesis while highlighting the barriers facing these technologies. Economics, energy consumption, risk and environmental trade-offs are used as key metrics for assessing sustainable production.

Component(s):

"Lecture" 3 hours per week

CHME 401 Sustainable Process Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 390 .

Description:

This course aims to familiarize students with sustainable design principles in industries to reduce their overall energy consumption (particularly non-renewable resources) and minimize their negative impacts on health and the environment. This course is built based on three major modules: 1) Sustainability analysis and life cycle assessment; 2) Process integration and intensification for minimal environmental impact; and 3) Optimization of industrial processes.

Component(s):

"Lecture" 3 hours per week

CHME 402 Sustainable Energy Conversion and Management (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 351, CHME 352.

Description:

This course introduces concepts of renewable energy resources and processes for sustainable chemical production and energy storage. Existing and future energy conversion technologies are analyzed from an engineering perspective, including renewable electricity sources (e.g. wind and solar) and advanced power generation technologies such as chemical looping combustion and gasification, solid oxide fuel cells, and oxyfuel combustion. Energy storage for enabling additional penetration of these technologies is also investigated. Valorization of biomass and waste as valuable chemical feedstock and a variety of thermochemical and biochemical conversion processes provide the introduction to sustainable industrial chemical production. Deep industrial decarbonization is also included by analyzing carbon capture, sequestration and utilization concepts, and technologies.

Component(s):

"Lecture" 3 hours per week

CHME 403 Electrochemical Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 351.

Description:

This course demonstrates the fundamentals of electrochemistry using modern applications such as batteries, fuel cells, electrolysis, wastewater treatment, electrodeposition and electrosynthesis. The first part of the course covers the core concepts of thermodynamics, kinetics, and mass transport to explain the design principles common to all electrochemical technologies. The second part of the course focuses on more advanced topics such as electrocatalysis, porous electrode theory, and experimental methods.

Component(s):

"Lecture" 3 hours per week

CHME 404 Clean Energy Science and Technology (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 321, CHME 352.

Description:

This course develops student knowledge in clean energy based on different energy storage and conversion systems. Students are familiarized with fundamentals, materials design, characterization and evaluation, and industrial applications of different energy storage and conversion systems. The course brings together some of the world's most pre-eminent researchers in the clean energy field to share their knowledge and expertise. Several important energy storage and conversion systems are introduced, such as electrochemistry, hydrogen, solar, and other systems.

Component(s):

"Lecture" 3 hours per week

CHME 405 Introduction to Environmental Engineering (3 credits)

Description:

This course provides an overview of the main concepts of environmental engineering. Topics include chemical principles applied to natural aquatic systems, biological and ecological principles, environmental risk assessment, air and water quality, and principles of waste management.

Component(s):

"Lecture" 3 hours per week

CHME 406 Introduction to Life Cycle Assessment (3 credits)

Description:

Life cycle assessment (LCA), which is critical for any engineering and design work, is an analytical framework used within the field of industrial ecology to assess the environmental impact across the entire life cycle of a product, process, or service. This course explores the fundamental principles, standards, and application of LCA to inform diverse public policy, business, supply chain, community development, and other decisions. The course follows the principles, methods, and recommendations of the ISO14040-44 standards, applying a stepwise approach to LCA including project definition, data collection, impact assessment and interpretation. Students apply the principles of the framework using calculation tools in addition to purpose-built software (OpenLCA) and databases (ecoinvent) to become familiar with the most common methodologies for conducting LCA and demonstrate their capability and knowledge. Students develop an in-depth and

hands-on understanding of the frameworks, principles, tools, and applications of LCA to evaluate the cradle-to-grave impacts of any product or system.

Component(s):

"Lecture" 3 hours per week

CHME 415 Computational Modelling for Chemical Engineers (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 205; CHME 351; ENGR 391.

Description:

This course presents various computational tools used in molecular and multiphysics modelling. The lectures provide an overview of the underlying foundational concepts; the tutorials present practical chemical engineering problems and demonstrate how to use the software with hands-on sessions. The topics include numerical thermodynamics and multiphysics simulations using COMSOL. A brief introduction to density functional theory (DFT) and molecular dynamics (MD) simulations is provided. The course includes lectures with hands-on tutorials.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

CHME 416 Data Engineering for Chemical Engineers (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 215 or equivalent (COEN 243; MECH 215; MIAE 215).

Description:

With the trend of digitalization, industry is implementing automated data processing technologies. This course covers the theoretical and practical issues in modern data streaming and processing in engineering with particular focus on chemical process and manufacturing data. Topics include structured and non-structured data, database modelling and SQL language, data streaming using publish subscribe paradigm, introduction to data lakes, ETL versus ELT, introduction to Kafka and Kafka streams, stateless and stateful processing, automating a data pipeline, and data streaming frameworks in industry for manufacturing/production data (MTConnect, MQQT and OPC-UA).

Component(s):

"Lecture" 3 hours per week

CHME 420 Nanomaterials Science and Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 320.

Description:

This course covers chemical and engineering aspects of nanomaterials. Topics include synthesis, characterization, properties, and applications of a variety of nanomaterials, with a focus on representative inorganic nanomaterials, as well as

carbon nanomaterials such as fullerenes, carbon nanotubes, and graphene.

Component(s):

"Lecture" 3 hours per week

CHME 421 Metallurgical Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 320.

Description:

This course reviews crystal structures, phase diagrams, and crystal defects. The theory of alloys and solid solutions is discussed. Physical, electrical, magnetic, optical and mechanical properties of metals and alloys are covered. The preparation, melting and casting of metals and alloys is reviewed. The class investigates steel, lithium, iron, nickel, aluminum and titanium alloys as well as the corrosion and protection of metals. Characterization techniques of metals are taught including light and electron microscopy, X-ray diffraction, and thermal analysis. Case studies and industrial applications are included in class materials.

Component(s):

"Lecture" 3 hours per week

CHME 422 Polymer Chemistry and Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 221.

Description:

Topics include the advanced theory and industrial practice of polymers, polymer chemistry, and polymer reactor engineering. The course covers polymer chemistry and polymerization kinetics for various types of polymerization, including condensation, free radical, cationic, anionic, and coordination polymerization, polymer reactor engineering, polymer materials structure and property characterization, and recent developments in the field.

Component(s):

"Lecture" 3 hours per week

CHME 423 Advanced Battery Materials and Technologies (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 351.

Description:

Topics include a review of the principles of batteries and fuel cells, including electrodes and electrolytes. This includes discussion of thermodynamics, reaction kinetics, transport phenomena, electrostatics and phase transformations of various energy storage materials, particularly lithium-ion batteries and fuel cells. Experimental methods are discussed and key parameters of energy storage materials are studied, focusing on a materials science approach.

Component(s):

"Lecture" 3 hours per week

CHME 424 Advanced Characterization Techniques (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 220.

Description:

This course develops student knowledge and understanding of the structure, chemical, and surface properties of materials. Students are familiarized with tools to use for materials analysis and characterization for current and future research, as well as for industrial applications. Strong emphasis is placed on the principles, techniques, and analysis used in the characterization of energy storage materials including chemical, microstructural, electrochemical, and surface analysis. In-situ and operando characterization techniques are also included in the course.

Component(s):

"Lecture" 3 hours per week

CHME 425 Hydrometallurgy (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 351.

Description:

Hydrometallurgy is the refining of metal ores based on aqueous solutions. Topics include an overview of ore minerals and their critical importance in today's economy, kinetics, equilibrium and thermodynamics in aqueous media, leaching, precipitation, reaction displacement and deposition, cementation, electrochemical methods, metal extraction and purification. Environmental issues are also considered. Applications to chemical analysis, mining, and process design are discussed.

Component(s):

"Lecture" 3 hours per week

CHME 430 Advanced Chemical Engineering Process Dynamics and Control (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 330.

Description:

This course reviews the fundamentals of process control with chemical engineering applications and introduces advanced topics such as data reconciliation and model predictive control. Topics include process modelling and dynamic systems; step response curves; data reconciliation; classic PID control; alternative strategies for chemical process control; process model identification; dynamic chemical process simulation; model-predictive control; and assessment of controller performance.

Component(s):

"Lecture" 3 hours per week

CHME 431 Introduction to Optimization for Chemical Engineers (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 330.

Description:

This course introduces the basic concepts of mathematical optimization, with special interest for chemical engineering applications. Fundamental optimization algorithms such as simplex and branch-and-bound are introduced. Concepts of linear, quadratic, binary, integer, mixed-integer and nonlinear programming are explored using graphical and mathematical techniques, as well as through the use of software for larger problems. Common applications in chemical engineering design and operation are used to highlight the usefulness of these optimization techniques. The primal optimization problem and its dual representation are presented, as well as the relationship between them. Sensitivity analysis of optimization models is shown through the dual representation.

Component(s):

"Lecture" 3 hours per week

CHME 432 Advanced Process Safety Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 390.

Description:

In this course, the primary aspects of safety in the design and operation of process plants are covered. Students gain an understanding of the standards and procedures, such as HAZOP, that must be considered to achieve a safe design. The codes, standards, and recommended practices for designing safety facilities for the protection of equipment are reviewed. Various types of relief systems and devices (e.g. safety valves, rupture discs) are introduced. Furthermore, the procedures to identify the primary hazardous scenarios, such as fire, equipment protection, operational failure, and solid formation, are discussed. Calculations for the required relief capacities are developed. The design and rating of the relief systems and the sizing of the flare network for the safe disposal of relieved materials are the last parts of safety engineering covered in this course. Aspen Safety Analysis and Aspen Flare System Analyzer are used to examine the dynamic behaviour of the relief devices and flare systems.

Component(s):

"Lecture" 3 hours per week

CHME 440 Chemical Engineering Lab III (1.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 330, CHME 340, CHME 362.

Description:

This laboratory course emphasizes the practical aspects of chemical engineering topics in the final years of study. Experiments in this course include distillation, absorption, drying, process dynamics, and process control. The theoretical concepts learned in the classroom are demonstrated through application in the laboratory setting using lab- and pilot-scale versions of industrial equipment and software.

Component(s):

"Laboratory" 6 hours per week, alternate weeks

CHME 460 Chemical Kinetics and Advanced Reactor Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 301.

Description:

This course reviews chemical kinetics and their use in chemical reactor design and chemical plant operation. Both homogeneous and heterogeneous kinetics, including catalysis, are considered. Topics include residence time distribution; multiphase and dispersed plug flow reactors; radial mass and heat transfer limitation; mass and heat transfer limitation in and around porous catalysts.

Component(s):

"Lecture" 3 hours per week

CHME 461 Advanced Chemical Engineering Thermodynamics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 351.

Description:

Topics include principles, concepts, and laws/postulates of classical and statistical thermodynamics and their link to applications that require quantitative knowledge of thermodynamic properties from a macroscopic to a molecular level; basic postulates of classical thermodynamics and their application; criteria of stability and equilibria; constitutive property models of pure materials and mixtures, including molecular-level effects using statistical mechanics; equations of state; phase and chemical equilibria of multicomponent systems; and thermodynamics of polymers. Applications are emphasized through extensive problem work relating to practical cases.

Component(s):

"Lecture" 3 hours per week

CHME 462 Industrial Catalysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 301, CHME 351.

Description:

Basic and recent concepts in catalysis are described with particular emphasis on heterogenous catalysis. The course starts with fundamentals of catalysis, such as catalyst structure, characterization, kinetic theory, reaction mechanisms, and catalyst preparation. Then industrial catalytic applications are covered, including the technical, economic and environmental aspects. The processes to be studied are chosen from the petroleum industry, the natural gas industry, and the treatment of industrial pollutants with catalytic converters.

Component(s):

"Lecture" 3 hours per week

CHME 463 Advanced Separation Processes (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 362.

Description:

Topics covered in this course include a review of basic chemical and mechanical separations; multicomponent separations; membrane separations; adsorption; chromatographic separations; and ion exchange.

Component(s):

"Lecture" 3 hours per week

CHME 470 Biochemical Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 301.

Description:

Topics include the interaction of chemical engineering, biochemistry, and microbiology; and mathematical representations of microbial systems. Kinetics of growth, death, and metabolism are also covered, as well as studies of continuous fermentation, agitation, mass transfer, scale-up in fermentation systems, and enzyme technology. A project is required.

Component(s):

"Lecture" 3 hours per week

Notes:

- This course is cross-listed with graduate course CHME 6061.

CHME 471 Colloid and Interface Chemistry (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHME 220, CHME 351.

Description:

This course focuses on the properties of colloids and surfactants. This includes the physical and chemical interactions between colloidal particles (attraction and repulsion), the stability of colloidal dispersions, and the coagulation and

flocculation of colloids. It also includes the surface and interface tension (wettability). The relationships between interface energy and adsorption and the adsorption of surfactants on interfaces (micelles) are covered, as well as surfactants in nanotechnology and adsorption in porous media. The characterization methods of colloidal particles and surface characterization are discussed.

Component(s):

"Lecture" 3 hours per week

CHME 472 Food Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 390.

Description:

This course introduces fundamentals of food processing systems, such as process classification, mass and energy balances, fluid mechanics and transport, and steady-state and unsteady-state heat transfer. It further covers the most popular food processing unit operations, including thermal processing, microwave processing, evaporation, and freezing. This course also provides knowledge for selecting processes and equipment and determining the appropriate procedures of operation.

Component(s):

"Lecture" 3 hours per week

CHME 473 Biomaterials and Biochemicals (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 220.

Description:

This course is divided into two sections. The first section focuses on fundamental principles in biomedical engineering, material science, and chemistry. Different classes of materials (metals, ceramics, polymers, and composites) are discussed, emphasizing their properties, biocompatibility, and utilization in implanted medical devices. The second section introduces cellular chemistry, including the structure and function of biological molecules, nucleic acids, enzymes and other proteins, carbohydrates, lipids, and vitamins.

Component(s):

"Lecture" 3 hours per week

CHME 480 Molecular Modelling of Proteins (3 credits)

(also listed as CHEM 436)

Description:

This course offers a hands-on introduction to the modelling tools to study protein structure and dynamics. Topics include molecular visualization, biological databases, protein sequence alignment, force fields, and molecular dynamics simulations. Students have hands-on practice in weekly tutorials following lectures.

Component(s):

"Lecture" 1.5 hours per week; "Laboratory" 1.5 hours per week (computer lab)

CHME 481 Multiscale Modelling of Biomaterials (3 credits)

Description:

This course offers a hands-on introduction to the multiscale modelling tools to design and study biomaterials. Topics include molecular visualization of material systems, force fields, molecular dynamics simulations, multiscale modelling techniques such as coarse graining, and estimation of mechanical properties from the simulation data. Students have hands-on practice in weekly tutorials following lectures.

Component(s):

"Lecture" 2 hours per week; "Laboratory" 1 hour per week (computer lab)

CHME 490 Capstone Chemical Process Design (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHME 390.

Description:

This course requires students to apply their chemical engineering knowledge using a process design approach. Students work in groups to conduct research, design, and plan the implementation of a chemical plant. The project plan and the results of the developed process are documented as a technical report and presented as a seminar. Students use the simulation results to conduct the techno-economic analysis and life cycle assessment results to evaluate the financial feasibility and environmental aspects of their design.

Component(s):

"Modular" 10 hours per week, combined lectures/laboratory

Civil Engineering Courses

CIVI 212 Civil Engineering Drawing and Introduction to Design (3 credits)

Description:

Fundamentals of technical drawing, orthographic projections, sectional views. Computer-aided drawing; slabs, beams, and columns; steel structures; building trusses and bridges, wood and masonry structures. Working drawing and dimensioning practice. Introduction to the design process.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

CIVI 231 Geology for Civil Engineers (3 credits)

Description:

Basic principles of physical and structural geology with emphasis on topics related to civil engineering, study of minerals, rocks and soil types, load formation, techniques of air-photo interpretations, and geological mapping. Geological site investigation. Preparation and interpretation of engineering geology reports.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CIVI 321 Engineering Materials (3.75 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 205 or equivalent.

Description:

Linear and nonlinear material behaviour, time-dependent behaviour; structural and engineering properties of structural metals; behaviour of wood; production and properties of concrete; bituminous materials, ceramics, plastics; introduction to composite materials.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 3 hours per week, alternate weeks

CIVI 341 Civil Engineering Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: BCEE 231.

Description:

Development of concepts and techniques commonly associated with systems engineering which are applicable to design and operation of systems that concern civil engineers. Design and planning process; problem formulation, optimization

concepts, linear programming, decision analysis; system simulation; network planning and project scheduling; computer applications. The techniques developed are used to solve problems in transportation, water resources, structures, and construction management.

Component(s):

"Lecture" 3 hours per week

CIVI 361 Introduction to Environmental Engineering (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 361.

Description:

Ecosystems considerations, food chain, natural decomposition, and recycling; environmental problems and impact of engineering activities. Various modes of pollution, water, air, and soil contamination, noise pollution; pollution measurement and quantification. Water and waste-water physical, chemical and biological characteristics; turbidity and colour, dissolved oxygen, hardness, pH, alkalinity, organic content, sampling and analysis, chemical and biochemical oxygen demand. Basic processes of treatment: flocculation and coagulation, sedimentation, filtration.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week, alternate week; "Laboratory" 2 hours per week, alternate weeks

CIVI 372 Transportation Engineering (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BCEE 371; CIVI 341.

Description:

Fields of transportation engineering; transportation's roles in society; planning and design of road, rail, air, and water-way system components: terminals, right-of-way; control systems: evaluation of alternative modes and decision-making process; introduction to computer-aided design and management of systems.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

CIVI 381 Hydraulics (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 361, ENGR 391.

Description:

Basic hydrodynamics; boundary layer theory, principle of energy losses. Steady flow in open channel; uniform flow, specific energy and critical flow, transition; gradually varied flow in channels and conduits, water surface profiles, computer applications. Flow measurement in open channel, weirs, overflow spillways.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

CIVI 382 Water Resources Engineering (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CIVI 381; ENGR 391 or EMAT 391.

Description:

Sources of water: surface water, groundwater, water quantities and requirements. Water use cycle. Characteristics of water and wastewater. Demand forecast, water use prediction and planning. Groundwater withdrawal and well hydraulics. Water supply network analysis, design of distribution systems, storage, pumping. Sanitary and storm water quantities, urban hydrology. Design of sewer systems, interceptors, gravity sewer, computer applications. Sustainable use of water resources. Design case studies.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

CIVI 390 Civil Engineering Design Project (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENCS 282. The following courses must be completed previously or concurrently: CIVI 361; BCEE 344; BCEE 345.

Description:

The project of each team encompasses the various stages of design of a medium-size civil engineering project. Students learn civil engineering design process, methodology, identification of objectives, codes, formulation of design problems, and estimation of loads on structures. The topics of design include the development and evaluation of sustainable design alternatives; and the computer-aided design tools. Additionally, performance evaluation using modelling, sensitivity analysis, and cost estimation is presented.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

CIVI 435 Foundation Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 432.

Description:

This course covers the following: site investigation; shallow and deep foundations; bearing capacity and settlement of foundations; earth-retaining structures; sheet piles; cofferdams; anchors; foundations subjected to dynamic loading; foundations on difficult soils; soil improvement and underpinning.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

CIVI 437 Advanced Geotechnical Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 432.

Description:

Mechanical properties of rocks and rock formations. Underground openings in rocks. Slope stability of stratified formations. Foundations on rocks. Rock bolting. Introduction of soil dynamics. Wave propagation in one and two dimensions in elastic media. Seismic waves. Foundations subjected to dynamic loading. Theory of liquefaction.

Component(s):

"Lecture" 3 hours per week

CIVI 440 Computer Applications in Civil Engineering Practice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 231. Students must complete 75 credits in the program prior to enrolling.

Description:

General purpose IT tools for civil engineering applications: database programming and web-based tools. Introduction to remote sensing and GIS. Application of major software packages in selected areas of civil engineering practice with emphasis on modelling, data integration, and work-flow. Case studies in structural design, geotechnical engineering, transportation, and environmental engineering.

Component(s):

"Lecture" 2 hours per week; "Laboratory" 2 hours per week

CIVI 453 Design of Reinforced Concrete Structures (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 345. The following course must be completed previously or concurrently: CIVI 390 or BLDG 390.

Description:

This course covers a wide variety of topics on reinforced concrete including two-way slab systems (flat plate, flat slab and slab-on-beams); slender columns; columns subjected to biaxial bending; lateral loads resisting systems (moment-resisting frames, shear walls and coupled shear walls); prestressed concrete (losses, design requirements for flexure, shear, bond, anchorage and deflections). Design project.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

CIVI 454 Design of Steel Structures (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: BCEE 344. The following course must be completed previously or concurrently: CIVI 390 or BLDG 390.

Description:

This course covers a wide variety of topics on steel structures: trends and developments in structural-steel design, framing systems, floor systems such as composite construction and plate girders, braced frames, and moment-resisting frames. The subject includes connections and P-Delta effects. A design project is required.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

CIVI 464 Environmental Impact Assessment (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CIVI 361.

Description:

Engineering activities and the environment; environmental ethics. Prediction and estimation of impact on air, water, soil quality, and biological, socio-economic, cultural environments. Water and air pollution laws, solid and hazardous waste laws.Environmental inventories, assessment preparation, and review. Federal and provincial laws and regulations on environmental assessment. Strategies for environmental compliance, resolution of environmental conflicts. Case studies.

Component(s):

"Lecture" 3 hours per week

CIVI 465 Water Pollution and Control (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CIVI 361.

Description:

Physical, chemical, and biological characteristics of water, water quality standards, reaction kinetics and material balances, eutrophication. Containment of reactive contaminants. Natural purification processes in water systems, adsorption, absorption; diffusion and dispersion, oxidation. Large-scale transport of contaminants, single and multiple source models; modelling of transport processes, computer simulation. Introduction to ground-water pollution, sea-water intrusion.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

CIVI 466 Engineering Aspects of Chemical and Biological Processes (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CIVI 361.

Description:

This course introduces the principles underlying physical, chemical, and biological treatment methods. It presents key technologies including coagulation, flocculation, sedimentation, sorption, membrane separation, ion exchange, and sludge dewatering. The design and scale-up for clarifiers, absorption columns, filters, centrifuges, electrodialysis stacks, demineralization units, and air pollution control units are covered.

Component(s):

"Lecture" 3 hours per week

CIVI 467 Air Pollution and Emission Control (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CIVI 361.

Description:

Types of air pollutants. Sources of air pollutants, effects of air pollutants on health, vegetation, materials, and the atmosphere; emission standards. Meteorological considerations, dispersion of pollutants in the atmosphere, distribution and cleansing of particle matter, atmospheric photochemical reactions. Particulate pollutant control, source correction, cooling treatment; control of gaseous pollutant, point sources, odour control; measurement techniques; computer applications.

Component(s):

"Lecture" 3 hours per week

CIVI 468 Waste Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CIVI 361.

Description:

Solid waste; source and generation, sampling and analysis, collection, transport, and storage. Waste recycling, physical and chemical reduction; drying; energy recovery; disposal of solid waste. Sanitary and secure landfill planning, site selection, design and operation; chemical and biological reactions. Hazardous waste, chemical and physical characteristics, handling, processing, transportation, and disposal. Resource recovery alternatives, material exchanges, hazardous waste management facilities, incinerators, landfills.

Component(s):

"Lecture" 3 hours per week

CIVI 469 Geo-Environmental Engineering (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CIVI 361.

Description:

This course introduces the physicochemical characteristics of the subsurface, soil biology, subsurface transport of contaminants, and surface chemistry of soil. It covers aspects related to biochemical degradation and toxic contaminants. Geotechnical considerations in environmental design, soil decontamination including bioremediation principles and techniques, physicochemical remediation, thermal removal, in-situ and ex-situ groundwater techniques, natural attenuation and barrier technologies are presented. Landfill covers, leachate collection systems, subsurface investigation, site assessment techniques and case studies are discussed.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

CIVI 471 Highway and Pavement Design (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: BCEE 371; CIVI 321.

Description:

This course covers the following topics: design criteria, including capacity and level of service, route alignment and right-of-way considerations, geometric design, earthworks and construction practices; pavement materials and tests; flexible and rigid pavement design procedures including subgrade, base, and surfacing characteristics, loads, stresses in pavement systems, material characterization, pavement response models, effects of natural forces, and construction practices; pavement management; computer applications; geometric and pavement design projects.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

CIVI 474 Transportation Planning and Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CIVI 372.

Description:

Transportation planning process; data collection and demand analysis; trip generation, trip distribution, modal split and route assignment; forecasting travel patterns. Design of transportation facilities: street sections, intersections, and parking areas. Computer applications and design projects.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week, alternate weeks

CIVI 483 Engineering Hydrology (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CIVI 381.

Description:

This course provides the fundamental knowledge about the water movement, distribution, and storage across Earth's natural and built environment. Topics covered include catchment characteristics and weather elements; precipitation, evapotranspiration, snow accumulation and melt, and infiltration; stage-discharge relations; streamflow hydrography, unit hydrography, and synthetic hydrographs; hydrologic routing; instantaneous hydrograph; hydraulic routing and kinematic routing; statistical analysis, confidence intervals, extreme analysis, intensity-frequency-duration relationships, flow duration curves and elements of hydrologic design.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

CIVI 484 Hydraulic Engineering (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CIVI 381.

Description:

Development of surface water resource; basic measurements in hydraulic engineering; storage reservoirs; practical problems; run-off characteristics of natural steams; probabilistic models; control structures; economic analysis; production function; project optimization; energy dissipators; sediment transportation; elements of river engineering; navigation; control of floods; computer modelling application. Design examples.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

CIVI 490 Capstone Civil Engineering Design Project (6 credits)

Prerequisite/Corequisite:

Students must complete a minimum of 75 credits in the BEng (Civil) including the following courses: ENGR 301; CIVI 361, CIVI 390; BCEE 344, BCEE 345.

Description:

The project of each team will encompass the integrated design of at least two sub-disciplines of civil engineering to achieve high performance at reasonable cost. Through case studies and literature survey, students learn the information gathering and decision/design process, problem resolution, and aspects related to management, teamwork, and communication. Students registering for this course must contact the course coordinator for the detailed procedure.

Component(s):

"Lecture" 3 hours per week, two terms

Notes:

- Students work in groups under direct supervision of a faculty member.

CIVI 498 Topics in Civil Engineering (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course may be offered in a given year upon the recommendation of the Department and approval of GCS Council. The course content may vary from offering to offering and will be chosen to complement the available elective courses.

Component(s):

"Lecture" 3 hours per week

Computer Engineering Courses

COEN 212 Digital Systems Design I (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 204 (Cegep Mathematics 105).

Description:

This course starts with an overview of binary and other radix-based formats, and unsigned and signed binary arithmetic. Logic gates, Boolean algebra theorems and properties, logical functions with canonical and standard forms, logic minimization using Boolean algebra and K-maps are addressed. Then, the course presents design methodologies of combinational circuits that lead to relevant gate-level diagrams such as adders, subtractors, multipliers, comparators, decoders, encoders, multiplexers, and demultiplexers. Sequential circuits starting with latches and flip-flops are introduced. Subsequently, registers and counters are presented. Design of synchronous sequential circuits with relevant schematic diagrams are then addressed. Finite State Machines (FSMs) with state equivalence and minimization are also introduced. Finally, introduction to memory and Programmable Logic Devices (PLDs) is presented.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 15 hours total

COEN 231 Introduction to Discrete Mathematics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 204 (Cegep Mathematics 105).

Description:

Fundamentals of logic: basic connectives and truth tables; logical equivalence; the laws of logic; logical implication; rules of inference; the use of quantifiers; proofs of theorems. Sets: the laws of set theory. Boolean algebra. Relation of Boolean algebra to logical and set theoretic operations. Modulo arithmetic: division algorithm. Induction and recursion: induction on natural numbers; recursive definitions. Functions and relations: cartesian products and relations; functions; function composition and inverse functions; equivalence relations. Elements of graph theory: basic definitions of graph theory; paths, reachability and connectedness; computing paths from their matrix representation; traversing graphs represented as adjacency lists; trees and spanning trees. Finite-state machines (FSM) deterministic and nondeterministic machines; regular languages; FSM with output; composition of FSM.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

COEN 243 Programming Methodology I (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 204 (Cegep Mathematics 105).

Description:

This course is an introduction to computers and programming paradigms. Essential topics from procedural programming languages are discussed such as key elements, reserved words and identifiers, data types and declarations, statements, arithmetic expressions, and different modes of execution. The course covers flow control using If-Else and Switch statements, repetition using loops, recursive functions, pointers, references and dynamic data structures and function pointer. The course material also includes Lambda expression, data structures, built-in arrays, template arrays and vectors, n-dimensional vectors, sorting and searching. Students learn object-oriented programming, user-defined classes, class attributes and methods, object creation, use and destruction. Students are also introduced to exception handling and UML class diagrams.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 12 hours total

Notes:

- Students who have received credit for COMP 248, MIAE 215 or MECH 215 may not take this course for credit.

COEN 244 Programming Methodology II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COEN 243 or MECH 215 or MIAE 215.

Description:

This course covers advanced topics in computer programming. The course reviews object-oriented programming and further concepts, and revisits pointers. The following topics are covered: operator overloading (regular and advanced usage), fundamentals of file and stream processing. The course also covers class composition and inheritance (regular and advanced usage), virtual functions, polymorphism, static and dynamic binding and abstract classes. A case study of a small-scale object-oriented project along with simplified analysis, design and implementation are discussed. Other topics in the course include files and streams, exception handling (advanced usage), templates (class templates, template instantiation and type binding), sequence containers and STL algorithms, UML modelling and an introduction to open software repository.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

Notes:

- Students who have received credit for COMP 249 may not take this course for credit.

COEN 311 Computer Organization and Software (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 212, COEN 243.

Description:

First, introduction and terminologies are presented. A review on data representation including fixed point and floating-point formats and arithmetic operations are given. Next, the students get familiar with basic components of a processor. This includes Arithmetic and Logical Unit (ALU), registers, memory, Input/Output (I/Os) devices and bus. The addressing modes, instructions encoding and instruction execution steps and their relationship with the hardware are explained. Next, arithmetic, logical, shift/rotate, control and branch instructions are discussed. Gradually, the students also learn the basics of

assembly language programming and learn how to develop programs for various problems. Furthermore, advanced topics such as stack, macro, subroutine, and interrupt are presented and practised through examples and discussions.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 12 hours total

COEN 313 Digital Systems Design II (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 212, COEN 231.

Description:

In this course, students are exposed to a comprehensive overview of VHDL language and the synthesis process for the design of digital systems. First, students learn the hardware implementation of basic VHDL language constructs, then they are exposed to the core of the RT-level design, including combinational circuits, "regular" sequential circuits, finite state machines, and circuits designed using register transfer methodology. Students are introduced as well to concepts related to metastability, self-timed circuits, programmable logic devices, field programmable gate arrays and testing issues.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 12 hours total

COEN 314 Digital Electronics (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 212; ELEC 273.

Description:

This is an introductory course in digital electronics. In the first part of the course, students learn the very basics of MOSFETs, including the physical structure, creation of channels and nonlinear characteristics, to understand why and how they are used as the basic devices in mainstream digital circuits. Then, DC analysis and transient analysis of basic logic units, in particular CMOS inverters and gates, are presented. Students learn different performance aspects, including delay/power/critical path analysis and estimation, and understand the specifications of digital circuits. Students are also exposed to the transistor-level design of basic CMOS functional blocks such as XOR gates, adders, mux, tri-state, buffers, latches, RSFFs and DFFs. Furthermore, the design principle and read/write operations of static and dynamic RAM memory cells are presented.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 12 hours total

Notes:

- Students who have received credit for COEN 315 or COEN 415 may not take this course for credit.

COEN 316 Computer Architecture and Design (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 311, COEN 313.

Description:

This course introduces students to fundamentals of the organization of the design of modern computer systems. Students learn cost issues and performances evaluation of processors and are exposed to instruction set design principles and its impact on both software programming and hardware design. Pipelining is studied, along with a hazards issue and solutions such as forwarding units. Memory hierarchy is presented, with a focus on caches organizations such as direct mapped, fully associative and set associative. Virtual memories and multi-processors architectures are introduced.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 12 hours total

COEN 317 Microprocessor-Based Systems (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 311 or COMP 228 or SOEN 228; COEN 313.

Description:

First, an introduction on a brief history of microprocessors is presented. Then, students get familiar with microprocessor architecture, its instructions, bus organization, data transfer and memory interfacing. Next, the focus of the course is placed on the fundamentals of interfacing. Students learn how to use General Purpose Input Outputs (GPIOs) to connect various peripheral devices to the microprocessor and write programs to control these devices. Examples of peripheral devices are Light Emitting Diodes (LEDs), switches, timer/counters, seven-segment LED displays, Liquid Crystal Displays (LCDs) and sensors. They also learn how to configure serial communication protocols. Moreover, students are exposed to advanced topics including interrupt system and Direct Memory Access (DMA).

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 12 hours total

Notes:

- Students who have received credit for COEN 417 may not take this course for credit.

COEN 320 Introduction to Real-Time Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COEN 346 or COMP 346.

Description:

This course covers the fundamentals of real-time systems, which include their definitions, requirements, design issues, and applications. It also covers the critical features of real-time operating systems (RTOS), such as multi-tasking, process management, scheduling of periodic, aperiodic, and sporadic tasks, interprocess communication and synchronization, real-time memory management, clocks and timers, interrupts and exceptions handling, message queues, and asynchronous input/output. Students learn how to program POSIX real-time, periodic, aperiodic, and sporadic threads by using concurrent programming languages and a real-time development environment. Moreover, this course covers real-time uniprocessor scheduling policies: static vs. dynamic, pre-emptive vs. non-pre-emptive scheduling algorithms, and some specific techniques — rate-monotonic, earliest-deadline-first, deadline monotonic, least-laxity-time-first; clock-driven scheduling. Techniques used to design, model, and specify real-time systems, such as finite state machines, UML state machines, and

Petri and Timed Petri Networks, are introduced. This course also introduces reliability and fault-tolerance in real-time systems and presents some case studies of RTOS — QNX, VxWorks, and research prototypes.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 12 hours total

COEN 330 Applied Machine Learning (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 244; ENGR 371.

Description:

This course on Machine Learning provides a foundation in the principles, algorithms, and applications of machine learning with data-driven best engineering practice. The course introduces students to the concept of machine learning. Students delve into supervised learning algorithms, including linear regression, logistic regression, k-Nearest Neighbors (k-NN), Support Vector Machines (SVM), decision trees, and random forests. The course also covers unsupervised learning models, focusing on various clustering algorithms. Students are introduced to Machine Learning Operations (MLOps) and explore the ethical considerations in machine learning. The course showcases practical applications of machine learning within the field of electrical and computer engineering.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

Notes:

- This course is equivalent to COMP 432. Students who have received credit for COMP 432 may not take this course for credit.

COEN 346 Operating Systems (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 311; COMP 352 or COEN 352.

Description:

The evolution, architecture, and use of modern operating systems (OS). Multi-tasking, concurrency and synchronization, IPC, deadlock, resource allocation, scheduling, multi-threaded programming, memory and storage managements, file systems, I/O techniques, buffering, protection and security, the client/server paradigm and communications. Introduction to real time operating systems. Students write substantial programs dealing with concurrency and synchronization in a multi-tasking environment.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 15 hours total

Notes:

- Students who have received credit for COMP 346 may not take this course for credit.

COEN 352 Data Structures and Algorithms (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 231, COEN 244.

Description:

Mathematical introduction: mathematical induction, program analysis, and algorithm complexity. Fundamental data structures: lists, stacks, queues, and trees. Fundamental algorithms: hashing and sorting. Graph structures and algorithms. Overview of algorithm design techniques, including greedy algorithms, divide and conquer strategies, recursive and backtracking algorithms, and heuristics. Application of data structures and algorithms to engineering.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- Students who have received credit for COMP 352 may not take this course for credit.

COEN 366 Communication Networks and Protocols (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COEN 346.

Description:

The main objectives of the course are an introduction to computer networks, architectures, protocols, and their fundamentals. Topics covered in the course include communications protocols basics, flow control, error detection and error control techniques, network topologies including local area networks (LANs) and wide area networks (WANs), layered architecture standards (OSI and TCP/IP), standard protocols, and their fundamentals, application and socket programming.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- Students who have received credit for ELEC 366, ELEC 463 or COEN 445 may not take this course for credit.

COEN 390 Computer Engineering Product Design Project (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 311, COEN 352; ENGR 290. Students must complete a minimum of 45 credits in the BEng (Computer) prior to enrolling.

Description:

The Product Design Project reinforces skills introduced in ENGR 290, which include teamwork, project management, engineering design for a complex problem, technical writing, and technical presentation in a team environment. It also introduces students to product development. Students are assigned to teams and each team develops, defines, designs and

builds a system and/or device under broad constraints set by the Department. Students present their product definition and design, and demonstrate that their system/device works at the end of the term.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" Equivalent time, 6 hours per week

Notes:

- All written documentation must follow the Concordia Form and Style guide. Students are responsible for obtaining this document before beginning the project.

COEN 413 Hardware Functional Verification (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COEN 313.

Description:

This course is about functional verification techniques and tools for hardware systems. It starts with the review of hardware design languages and the definition of hardware functional verification, then it introduces basic object-oriented programming notions, such as classes, methods, inheritance, threads, inter-process communications, and virtual methods. Students are later introduced to coverage metrics, functional coverage, and functional verification CAD tools. Students learn the use of SystemVerilog language to develop class-based verification environment based on the universal verification methodology (UVM). Students are exposed to practical verification case studies.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 12 hours per week

COEN 421 Embedded Systems Design (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 317, COEN 320; SOEN 341.

Description:

Embedded systems, foundations for cyber-physical systems design. Embedded HW architectures, sensors, actuators, processors. IO and peripherals, memory architectures, interfacing memory and peripheral. Hardware-software partitioning, software transformations, floating to fixed point conversion, loop transformations, code compaction, low-power design and embedded system testing.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 30 hours total

COEN 422 Foundations of Cyber-Physical Systems (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 346; ELEC 372.

Description:

Cyber-Physical Systems (CPS) consist of interacting networks of physical and computational elements. This course covers the fundamentals of modelling, specification, analysis and design of CPS. Models for computation and physical systems including discrete event dynamic models, finite-state machines, extended FSMs, statecharts, Petri nets and continuous variable models are studied. Scheduling and optimization of process networks and hybrid models are covered. Specification, simulation and performance analysis of CPS and the relationship of program execution with physical time constants are discussed.

Component(s):

"Lecture" 3 hours per week

COEN 424 Programming on the Cloud (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COEN 346.

Description:

Autonomy of cloud computing, service and business models, data centres and virtualization. CAP theorem, REST API and data models. Map reduce and programming model of distributed data processing on computer clusters. Distributed file systems for computer clusters, development environments and tools on clouds. Cloud-based data access and query. Cloud application design principles.

Component(s):

"Lecture" 3 hours per week

COEN 432 Applied Machine Learning and Evolutionary Algorithms (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COEN 352 or COMP 352.

Description:

The course covers a variety of machine learning algorithms with applications to real-world problems of classification and prediction, optimization and design. The first part of the course introduces fundamental concepts of machine learning and some well-established models, such as decision tree models, linear models, distance-based models and probabilistic models. This is followed by machine learning heuristics such as tabu search, simulated annealing and particle swarm optimization. The second part of the course focuses on evolutionary algorithms and, in particular, genetic algorithms, evolutionary strategies and genetic programming, followed by salient advanced concepts such as multi-objective optimization.

Component(s):

"Lecture" 3 hours per week

COEN 433 Biological Computing and Synthetic Biology (3 credits)

(also listed as BIOL 475)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 212, COEN 244.

Description:

Introduction to the cell and the genome. Foundations of synthetic biology and ethics. Synthetic genomes and metabolic engineering. Model organisms, such as E. coli bacteria and synthetic cells, self-replicating cells man-made from cloned genes, a cellular membrane and the basic elements of RNA and protein synthesis. Designing computational devices for implementation in biological cells. Introduction to modelling and computer simulation of gene regulatory networks. Methods of building and testing gene regulatory networks within and without cells. Expanding functionality via inter-cellular signaling. Basic interfacing to electronic sensors and actuators. Landmark and interesting applications of synthetic biology in computer engineering and other disciplines.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for BIOL 475 or for this topic under a BIOL 498 number may not take this course for credit.

COEN 434 Microfluidic Devices for Synthetic Biology (3 credits)

(also listed as BIOL 476)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 244 and ENGR 290; or BIOL 261 and COMP 249.

Description:

This course introduces students to microfluidic components (pumps, valves, automation) programming microfluidics, paradigms, and applications for chemical and biological analysis. Introduction to synthetic biology; biological parts and their properties, network structure and pathway engineering, synthetic networks, manipulating DNA and measuring responses, basic behaviour of genetic circuits, building complex genetic networks; integration of microfluidics and synthetic biology; economic implications.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for BIOL 476 or for this topic under a BIOL 498 number may not take this course for credit.

COEN 446 Internet of Things (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COEN 366 or COEN 445 or ELEC 366 or ELEC 463.

Description:

This course covers the paradigm change from the Internet and devices to the Internet of Things (IoT). It also covers IoT business models and applications (including health monitoring and smart cities); IoT characteristics, constraints and requirements. The IoT protocol stack is also covered and its contrasts with the TCP/IP protocol stack are discussed. Other covered topics include physical, link and networking layer protocols. Moreover, the course covers the Message Queueing Telemetry Transport (MQTT) and Constrained Application (CoAP) application layer protocols and the efficient XML interchange (EXI) format. The course provides an introduction to security threats and privacy in IoT systems; IoT analytics, platforms and tools.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

COEN 447 Software-Defined Networking (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 317; COEN 366 or COEN 445 or ELEC 366 or ELEC 463.

Description:

This course equips students with an understanding of the principles and techniques underpinning the design of software-defined networks.Topics include control and data planes, centralized vs. distributed control; network operating systems, network function virtualization; programmable data planes, network processors, programmable switch pipelines; high-level data-plane programming with P4 and data-plane development kit. This course includes a software-defined network emulation project.

Component(s):

"Lecture" 3 hours per week

COEN 448 Software Testing and Validation (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOEN 341.

Description:

This course starts with an overview of the three phases and deliverables of a project, and then discusses validation vs.verification, reviews and walk-through. Topics also include acceptance testing, integration testing, module testing. The course covers writing stubs, performance testing, the role of formal methods, code inspection, defect tracking and causality analysis. It concludes with software metrics and quality management.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 15 hours total

Notes:

- Students who have received credit for COEN 345 may not take this course for credit.

COEN 449 Neural Networks and Machine Learning (3 credits)

(also listed as COEN 6331)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 390 or ELEC 390; ENGR 371.

Description:

This course covers the fundamental principles of neural networks in the context of machine learning. It introduces students to various network concepts such as perceptrons, backpropagation, counter-propagation, Hopfield nets, bi-directional associative memories, adaptive resonance theory, cognitron and neocognitron, convolution neural networks, deep neural networks, and reinforcement learning. In addition, this course provides a solid foundation in the principles and theories of the selection of network topologies, memory structures, learning paradigms, as well as their stability and convergence. Moreover, the course introduces students to applications of neural networks and machine learning to various engineering and computing fields.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

COEN 451 VLSI Circuit Design (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 212; ELEC 311 or COEN 314.

Description:

This is an introductory course for integrated circuit design using very large-scale integration (VLSI) technology. It provides students with the basics of the analysis and the design of digital VLSI circuits with complementary metal-oxide semiconductor (CMOS) technology. Students are exposed to the physical structures of CMOS circuits, CMOS processing technology and design rules, computer-aided design (CAD) issues, interconnections, and input/output problems. In particular, they acquire the knowledge about physical layers and parasitic elements of CMOS circuits to understand how such elements are related to the performance of VLSI circuits. Students also learn the characterization of integrated devices and the performance evaluation of VLSI circuits. Constraints on speed, power dissipation and silicon space consumption are discussed. The course work includes a mini design/implementation project using a specified CMOS technology.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 30 hours total

COEN 474 Quantum Information Processing and Coding (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 352; ENGR 371.

Description:

This course covers an introduction to Quantum Mechanics, Mathematical Formulation of Quantum Mechanics, classical Information Theory (Shannon Theory) and its generalization, von Neumann Information Theory, and Computational Complexity. Applications covered include Quantum Error Correction Coding, Quantum Search and Sort Algorithms and Quantum Cryptography.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for this topic under a COEN 498 number may not take this course for credit.

COEN 490 Capstone Computer Engineering Design Project (6 credits)

Prerequisite/Corequisite:

The following courses must be complete previously: ENGR 301, ENGR 371; COEN 390; SOEN 341. Students must complete a minimum of 75 credits in the BEng (Computer) prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Students are assigned to groups, and work together under faculty supervision to solve a complex interdisciplinary design problem— typically involving communications, control systems, electromagnetics, power electronics, software design, and/or hardware design. The project fosters teamwork between group members and allows students to develop their project management, technical writing, and technical presentation skills.

Component(s):

"Tutorial" 1 hour per week, two terms; "Laboratory" Equivalent time, 9 hours per week, two terms

Notes:

- All written documentation must follow the Concordia Form and Style guide. Students are responsible for obtaining this document before beginning the project.

COEN 498 Topics in Computer Engineering (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

The course, when offered, will include topics which complement elective courses in computer engineering and computer science

Component(s):

"Lecture" 3 hours per week

Electrical Engineering Courses

ELEC 242 Continuous-Time Signals and Systems (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 273; ENGR 213.

Description:

This course covers continuous-time signals and systems theory including properties of continuous-time systems, linear time-invariant (LTI) systems, impulse response and convolution and systems based on linear constant-coefficient differential equations. The following transforms are introduced: Fourier series representation of periodic signals, the Fourier transform representation of signals and systems, the inverse Fourier transform, bilateral Laplace transform, unilateral Laplace transform and inverse Laplace transform. Other topics include zero-state and zero-input responses of linear constant-coefficient differential equation models, transfer function and block diagram representation of LTI systems, and time and frequency domain characteristics of ideal and non-ideal filters. Computer simulation using MATLAB is also introduced.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

Notes:

- Students who have received credit for ELEC 264 may not take this course for credit.

ELEC 251 Fundamentals of Applied Electromagnetics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 273; ENGR 233.

Description:

This course provides a comprehensive introduction to engineering electromagnetics using vector calculus. The course starts with electrostatics including electric charge, Coulomb's Law, electrostatic forces, electric field, Gauss's Law, electric potential, stored energy and Laplace's Equation and its solution using the separation of variable technique . The electrical properties of dielectric materials are studied, including electrets, permittivity, and capacitance. Currents in wires and in material media are studied, including conductivity and resistance, conduction in a vacuum, displacement current and Ampere's Law. The course presents magnetostatics, the Biot-Savart Law, the magnetic field of a current, the magnetic force on a wire, and the energy stored in a magnetic field. Magnetic induction and Faraday's Law are studied, including inductance and mutual inductance, electromotive force and magnetic circuits.The magnetic properties of materials are presented, including ferromagnetism and hysteresis. The course concludes with an introduction to time-varying electric and magnetic fields, and Maxwell's Equations in differential form.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

ELEC 273 Basic Circuit Analysis (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 205; ENGR 213.

Description:

This course presents a comprehensive overview of electrical circuit analysis techniques. First, students learn Ohm's Law, Kirchhoff's Voltage Law (KVL), Kirchhoff's Current Law (KCL), mesh analysis and nodal analysis. Then they learn circuit theorems including superposition, Thevenin's and Norton's Theorems. Ideal operational amplifier circuits are studied. Students learn how to find the transient response of circuits that include resistors, inductors, and capacitors. Students learn steady-state Alternating Current (AC) analysis using phasors and impedance, AC circuit theorems, and the calculation of power in AC circuits.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 12 hours total

ELEC 275 Principles of Electrical Engineering (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously PHYS 205. The following course must be completed previously or concurrently: ENGR 213.

Description:

Fundamentals of electric circuits: Kirchoff's laws, voltage and current sources, Ohm's law, series and parallel circuits. Nodal and mesh analysis of DC circuits. Superposition theorem, Thevenin and Norton Equivalents. Use of operational amplifiers. Transient analysis of simple RC, RL and RLC circuits. Steady state analysis: Phasors and impedances, power and power factor. Single and three phase circuits. Magnetic circuits and transformers. Power generation and distribution.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 15 hours total

ELEC 311 Electronics I (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 273.

Description:

The course first presents diodes: students get familiar with terminal characteristics of junction diodes and analysis of diode circuits. The small signal model and its application are presented, as well as operation in the reverse-breakdown region (Zener diodes), rectifiers, limiting and clamping circuits. Students learn principles of signal amplification, including linearity, loading effects and cascaded amplifiers. MOSFETs structure, physical operation and current-voltage characteristics are then discussed. Students also learn MOSFET applications, DC analysis and biasing considerations (small signal analysis, models and parameters). The three basic configurations (common gate, common source and common drain) and amplification are explained. An overview of BJT circuits is also presented and covers the structure and physical operation of BJTs, DC analysis, biasing considerations and basic configurations for amplification. The course involves PSPICE laboratory pre-labs and extensive simulation exercises.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 12 hours total

ELEC 312 Electronics II (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 311; ELEC 242 or ELEC 364.

Description:

Differential and multi-stage amplifiers: differential pair; differential gain; common-mode gain and common-mode rejection ratio (CMRR) current mirrors. High frequency models: s-domain analysis, transfer functions; common gate, common source, common drain configurations; common base, common emitter, common collector configurations; wide-band amplifiers. Feedback: general feedback structure; properties of negative feedback; the four basic feedback configurations; loop gain and stability problems. Power amplifiers: classification and output stages; class A, B, C, and AB amplifiers; biasing the class AB amplifier. Introduction to filters, tuned amplifiers, oscillators and mixers. PSPICE.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 15 hours total

ELEC 321 Introduction to Semiconductor Materials and Devices (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: CHEM 205; ENGR 213.

Description:

Fundamentals underlying optical and electronic devices. The structure and growth of crystals. The energy band model for elemental and compound semiconductors. Electronic and optical properties of semiconductors. Electroluminescence and photoluminescence. The semiconductor in equilibrium. Carrier transport and non-equilibrium phenomena. Introductions to junctions and devices. The laboratory demonstrates the basic electrical and optical properties of semiconductor materials.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 15 hours total

ELEC 331 Fundamentals of Electrical Power Engineering (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 251, ELEC 273.

Description:

Review of fundamentals of AC circuit analysis. Overview of power systems. Three-phase circuits: balanced three-phase circuits with star and delta connected loads, power measurements. Magnetic circuits. Transformers. Power conversion techniques: single phase AC/DC rectifiers, DC/DC choppers and DC/AC converters. DC machines: Operating principle, separately excited DC motor, torque speed characteristics and control methods using rectifiers and choppers. Induction machines: Theory of three-phase induction machines, equivalent circuit parameters, efficiency, torque speed characteristics and control methods using inverters. Overview of power distribution systems. Safety codes.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 15 hours total

ELEC 342 Discrete-Time Signals and Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 242 or ELEC 264.

Description:

Basic material includes discrete vs. continuous-time signals, discrete-time signals, elementary signals and signal operations, discrete-time systems, properties of discrete-time systems and interconnections of systems. Time-domain analysis of discrete-time systems is covered including finite difference equation representation of systems,linear time-invariant (LTI) systems, unit impulse response and convolution, sliding tape method for convolution, periodic convolution, properties of convolution, and properties of LTI systems. The next area is Fourier domain analysis including Discrete-Time Fourier Series (DTFS), Discrete-Time Fourier Transform (DTFT), properties of DTFS and DTFT, frequency response of LTI systems, and continuous and discrete-time Fourier transforms. Conversion of continuous-time to discrete-time signals is covered including ideal impulse train sampling, the sampling theorem, effect of sampling in the frequency and time domains graphically and algebraically, anti-aliasing pre-filter, reconstruction of band limited signal from its samples, discrete-time processing of continuous-time signals, quantization, uniform quantization, quantization noise, granular vs. overload noise, and design of uniform quantizers. The Discrete Fourier Transform (DFT) is developed along with the relationship between the DFT and the DTFT. Also covered is the relationship between the DFT and the Fast Fourier Transform (FFT). The z-transform (ZT) is covered with topics including properties, poles and zeros of rational ZTs, inverse and unilateral z-transforms (UZT), Region of Convergence (ROC), and relationship between ZT and DTFT. Filtering topics include LTI systems as frequency-selective filters, ideal filters, Finite Impulse Response (FIR) vs. Infinite Impulse Response (IIR) filters, linear phase FIR filters, filter specification, and designing filters with MATLAB. The course closes with FIR filter design with windowing.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 12 hours total

Notes:

- Students who have received credit for ELEC 364 may not take this course for credit.

ELEC 351 Electromagnetic Waves and Guiding Structures (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 242, ELEC 251.

Description:

This course presents the partial differential equations governing transmission lines and their solution in the time domain and in the frequency domain. The input impedance is found and transmission line circuits are solved. The Smith Chart is derived and used to design impedance matching. Maxwell's Equations are used to find the wave equation, which is solved to discover uniform plane waves. Boundary conditions are enforced to find Snell's Laws and the Fresnel reflection coefficients for a dielectric half space. The fields in rectangular waveguide are found as the solution to a boundary value problem, and the behaviour of waveguides is studied. Antenna are studied including directional radiation, antenna arrays, directivity and gain, effective area, and the Friis Transmission Equation.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 12 hours total

ELEC 365 Complex Variables and Partial Differential Equations (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213, ENGR 233.

Description:

Review of complex arithmetic. Analytic functions. Taylor and Laurent series. Residue theory. Fourier series. Partial differential equations. Applications to Laplace, heat, and wave equations. Bessel and Legendre functions.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- Students who have received credit for ELEC 261 or ELEC 362 may not take this course for credit.

ELEC 366 Telecommunication Networks (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 352; ELEC 342 or ELEC 364; ENGR 371.

Description:

The course introduces communication network functions/services and the circuit and packet-switching approaches for network design. It covers transmission systems, multiplexing, switches, signalling and traffic control in circuit-switched networks including cellular networks. It introduces the layered network architecture for packet-switching: peer-to-peer ARQ protocols and data-link controls;TCP/IP architecture: Internet and transport protocols. It covers multiple access communications: Aloha, CSMA, reservation schemes, polling, token passing rings, wireless LANs and LAN bridges. It includes application and socket programming.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- Students who have received credit for COEN 366 or COEN 445 or ELEC 463 may not take this course for credit.

ELEC 367 Introduction to Digital Communications (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 342 or ELEC 364; ENGR 371.

Description:

The following topics are covered: analog communications and frequency multiplexing; pulse-code-modulation time multiplexing; additive white Gaussian noise; matched filter and correlator receiver; maximum likelihood receiver and error

probability; intersymbol interference, pulse shaping filter; Signal Space Analysis; Union Bound on the probability of error; Pass-band communication Systems; coherent and non-coherent communication systems. Introduction to synchronization.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 12 hours total

Notes:

- Students who have received credit for ELEC 462 may not take this course for credit.

ELEC 372 Fundamentals of Control Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 242 or ELEC 364.

Description:

Mathematical models of control systems. Characteristics, performance, and stability of linear feedback control systems. Root-locus methods. Frequency response methods. Stability in the frequency domain. Design and compensation of feedback control systems.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 15 hours total

Notes:

- Students who have received credit for AERO 371 or ENGR 372 or MECH 371 may not take this course for credit.

ELEC 390 Electrical Engineering Product Design Project (3 credits)

Prerequisite/Corequisite:

Students must complete a minimum of 45 credits in the BEng (Electrical) prior to enrolling, including the following courses: COEN 352; ELEC 311; ENGR 290.

Description:

The Product Design Project reinforces skills introduced in ENGR 290, which include teamwork, project management, engineering design for a complex problem, technical writing, and technical presentation in a team environment. It also introduces students to product development. Students are assigned to teams and each team develops, defines, designs and builds a system and/or device under broad constraints set by the Department. Students present their product definition and design, and demonstrate that their system/device works at the end of the term.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" Equivalent time, 6 hours per week

Notes:

- All written documentation must follow the Concordia Form and Style guide. Students are responsible for obtaining this document before beginning the project.

ELEC 413 Mixed-Signal VLSI for Wireline Communication Systems (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 312.

Description:

This course covers integrated-circuit design of front-end circuits for wireline communication systems. Specific topics include: an overview of wireline communication links, modulation formats, inter symbol interference, pulse response analysis, bit-error ratio, IC technology limitations, electrical and optical link transmitter and receiver front-end circuits, electrical and optical channels, current mode logic decision circuits, and continuous-time and discrete-time equalizers. A project is required.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 30 hours total

ELEC 421 Solid State Devices (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 321.

Description:

Junction theory (PN junctions, Schottky and ohmic contacts, hetero-junctions). Structures and characteristics of diodes, solar cells, bipolar transistors, and fundamentals of MOSFETs. Planar silicon junctions and transistors will be designed, fabricated and evaluated in the laboratory, including resistivity measurements, semiconductor cleaning, oxidation, diffusion, photolithography, etching, metallization, and comparison of design with experimental results.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 422 Design of Integrated Circuit Components (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 421.

Description:

Structures, characteristics and design of MOS capacitors and MOSFETs. FinFETs, SOI FETs, velocity-modulation transistors, and HFETs. Role of strain in operation of modern FETs. Planar MOS devices, including capacitors and MOSFETs will be designed, fabricated, and evaluated in the laboratory.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 423 Introduction to Analog VLSI (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 312.

Description:

CMOS transistor layout considerations, design rules, circuit extraction. MOSFET modelling, I-V equations, AC equivalent circuits for high-frequency operation, computer-based simulation. Analysis and design of small-scale integrated circuit building blocks including MOS switch, active resistor, current source, current mirror, voltage amplifiers, voltage-reference circuits, multipliers. Analysis and design of medium-scale integrated circuit building blocks including op-amps, fully-differential op-amp and common mode feedback circuits, transconductance amplifiers, transimpedance amplifiers, comparators. Noise analysis. Mismatch analysis and modelling, offset removal techniques. Analog VLSI system examples.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 30 hours total

ELEC 424 VLSI Process Technology (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 311, ELEC 321.

Description:

Introduction to basic VLSI technologies; crystal growth, thermal oxidation, diffusion, ion implantation, chemical vapour deposition, wet and dry etching, and lithography. Layout, yield, and VLSI process integration. The lab demonstrates a semiconductor device fabrication process.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 425 Optical Devices for High-Speed Communications (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 321, ELEC 351.

Description:

Optical properties of semiconductors. Fundamental principles for understanding and applying optical fibre technology. Fundamental behaviour of the individual optical components and their interactions with other devices. Lasers, LEDs, optical fibres, light detectors, optical switches. Concepts of WDM and DWDM. Components required for WDM and DWDM. A comprehensive treatment of the underlying physics: noise and distortion in optical communications, light polarization, modulation and attenuation.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 430 Electrical Power Equipment (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 331.

Description:

Components of a transmission system. Transmission line; modelling and parameters. Transformers: equivalent circuits, losses, connections and protection. Breakers: operation and design. Compensation equipment: capacitors, inductors, series and shunt connections. Insulation coordination.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- This course is usually offered in the French language.

ELEC 431 Electrical Power Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 331.

Description:

Inductance, capacitance, resistance of polyphase transmission lines; current and voltage relations of transmission lines; load flow studies; symmetrical and unsymmetrical faults; power system stability.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 432 Control of Electrical Power Conversion Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 331, ELEC 372.

Description:

Basic considerations and control requirements. Control system principles and structures. Controller characteristics and operation. Static power conversion systems. Electromechanical systems and electrical machine modelling. Control system design. Applications to electric motor drives and typical power conversion systems.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- This course is usually offered in the French language.

ELEC 433 Power Electronics (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 311, ELEC 331.

Description:

Review of basic electrical concepts. Power electronic systems. Power semiconductor switches. AC controllers. Line frequency AC-DC converters: diodes and thyristor circuits. DC-DC converters. DC-AC converters. Utilityapplications: STATCOM and power electronic interfaces. Industrial and utility applications.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 434 Behaviour of Power Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 331.

Description:

Introduction: classification of phenomena, structure of power systems. Review of component models: lines, transformers, electrical machines and load. Excitation systems of machines. Steady-state operation. Transient stability, voltage stability and small signal stability. Compensation methods: stabilizer, series and shunt compensators. Sub-synchronous resonances. Transient electromagnetic phenomena. Methods and tools for numerical simulation.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- This course is usually offered in the French language.

ELEC 435 Electromechanical Energy Conversion Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 331.

Description:

This course covers the following topics: lumped parameter concepts of electromechanics; energy, co-energy in the derivation of torques and forces; examples of electric machines: dc, synchronous and induction types; steady-state, transient and stability analysis; power electronic controllers.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- This course is usually offered in the French language.

ELEC 436 Protection of Power Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 331.

Description:

General aspects of protection systems. Measurement transformers. Grounding. Overcurrent and ground fault protection. Protection of transformers, shunt capacitors and buses. Protection of transmission lines. Telecommunication for protection and automation systems. Protection of inverters. Protection of distribution networks.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- This course is usually offered in the French language.

ELEC 437 Renewable Energy Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 331.

Description:

Electrical basics and models of solar energy (photo-voltaics), electrical power from wind energy, electrical power from water, including wave energy, tidal energy, micro-hydro. Case studies, for example the application of solar PV to street lighting. Electrical engineering design implications. Design assignments.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for this topic under an ELEC 498 number may not take this course for credit.

ELEC 438 Industrial Electrical Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 331.

Description:

Structures of industrial power systems. Voltage levels. Electric installations, codes and standards. Short-circuits, protection and coordination. Grounding. Power quality. Power factor, tariffs and energy management.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- This course is usually offered in the French language.

ELEC 439 Hybrid Electric Vehicle Power System Design and Control (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 331.

Description:

Introduction to Electric Vehicles (EV), Hybrid Electric Vehicles (HEV). Vehicle design fundamentals. Traction motors for EV/HEV propulsion. On-board energy sources and storage devices: high-voltage traction batteries, fuel cells, ultra-capacitors, flywheels. Power electronic converters and control. Various EV/HEV/Fuel Cell Vehicle topologies and modelling. Energy management strategies. Practical design considerations. Engineering impact of electric, hybrid electric, and fuel cell vehicles.

Component(s):

"Lecture" 3 hours per week

ELEC 440 Controlled Electric Drives (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 331, ELEC 372.

Description:

Elements of a drive system, characteristics of common mechanical systems, drive characteristics, operation in one, two, or four quadrants. Fully controlled rectifier drives, braking of DC motors, control of DC motors using DC/DC converters. Control of polyphase induction motors, voltage-source and current-source inverter drives, frequency-controlled induction motor drives, introduction to vector control of induction motor drives, field oriented control, sensor-less operation. Control of synchronous motors, permanent magnet motors. Switched reluctance motor drives, stepper motors. Brushless DC motor drives, low-power electronic motor drives.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- Students who have received credit for this topic under an ELEC 498 number may not take this course for credit.

ELEC 441 Modern Analog Filter Design (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 342 or ELEC 364.

Description:

Review of network analysis. Magnitude and frequency scaling. Magnitude and phase approximation in synthesis of filter functions. Second-order active RC filters. Synthesis of all-pole LC ladder filters. Second-order switched-capacitor filters. Realization of high-order active filters. Current mode filters. Switched-current filters. Integrated circuit filters.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 442 Advanced Signal Processing (3 credits)

(also listed as ELEC 6651)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 342 or ELEC 364; ENGR 371.

Description:

This course focuses on fundamental principles, methods and applications of statistical and adaptive signal processing. It begins with the introduction of random signal processing basics, including random variables and sequences, linear systems with stationary inputs, linear signal models, power spectral density estimation. It then covers optimum linear filtering and prediction, namely, Wiener filter, constrained minimum mean square error (MMSE) estimation, array/space-time processing and beamforming, forward and backward linear prediction. The course also covers adaptive filtering methods including least mean square filters, least-square filter, recursive least square filter, Kalman filter. Finally, the course ends with machine learning principles for signal processing including Bayesian learning, support vector machine, and neural network basics.

Component(s):

"Lecture" 3 hours per week

ELEC 443 Electric Power Distribution Networks (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 331.

Description:

This course covers the following topics: fundamentals of distribution systems; overhead lines and cables, physical characteristics; neutral network; distribution protection; protection coordination, equipment failures; service continuity, norms, fault duration and damage; network architectures; distributed generation, network integration; power quality, connection requirements, harmonics, voltage sag, flicker; distribution network analysis software, unbalanced power flow, faulted operation.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 12 hours total

Notes:

- This course is usually offered in the French language.

ELEC 444 Medical Image Processing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 342 or ELEC 364.

Description:

Principles and techniques used in the processing and analysis of medical images. Image quality metrics, denoising medical images, quantification, rigid and deformable registration. Similarity metrics such as mutual information (MI). Images from the most common medical imaging modalities (X-ray, CT, MRI and ultrasound) will be used.

Component(s):

"Lecture" 3 hours per week

ELEC 445 Biological Signal Processing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 342.

Description:

This course covers signal processing through discussion of current bioengineering activities which rely on signal processing and include assessment of neural function with simultaneous collection of electroencephalogram (EEG) and functional MRI data; the non-invasive assessment of cardiac autonomic regulation using electrocardiography; assessment of neural function using near-infrared spectroscopy (NIRS); assessment of muscle activity using electromyography (EMG). Topics include modern spectral analysis, time-frequency analysis (short-time Fourier transforms and wavelets); signal modelling; multivariate analyses and adaptive filtering.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for this topic under an ELEC 498 number may not take this course for credit.

ELEC 446 Electrical Power Generation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 431.

Description:

This course covers the following topics: primary energy resources, conventional and renewable; electric power generation principles; rotating and static power conversion, frequency and voltage control; synchronous generators, design and operation; generation control; static power converter interfaces, principles and operation; wind energy conversion principles, generator control and wind farm control; energy storage control and integration; generation protection; distributed generation interconnection requirements.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 9 hours total

ELEC 447 Video Processing and Recognition (3 credits)

(also listed as ELEC 6631)

Prerequisite/Corequisite:

ELEC 342

Description:

This course focuses on theoretical foundations of video processing: human vision, colour models, visual frequencies, convolution, frequency analysis, sampling, video capture and display, and video models. Motion characterizes a video and the course covers object transformations, motion models, motion and homography estimation. A video consists of images and basics of image processing are presented: filtering, multi-scale analysis, histogram and feature extraction. The course covers video applications: video enhancement including quality assessment, frame prediction, denoising; video compression including statistics of signal source, transform coding, predictive coding; video recognition including object segmentation, object tracking, 3D shapes from 2D images. The course introduces deep-learned video processing with a case study, machine-learning basics (regression, classification), deep neural networks and convolutional neural networks.

Component(s):

"Lecture" 3 hours per week

ELEC 453 Microwave Engineering (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 351.

Description:

Properties of waveguides, striplines, and microstrips. Scattering parameters. Butterworth and Chebyshev impedance transformers. Microwave couplers, cavities, and Fabry-Perot resonators. Periodic structures. Microwave filter design. Faraday rotation and non-reciprocal devices.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 455 Acoustics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 351.

Description:

Sound generation and propagation in elastic media; conversion between acoustical, electrical, and mechanical energy. Lumped-parameter approximations, sound in rooms, underwater acoustics, microphones; loudspeakers and audio communications problems; noise and vibration control problems.

Component(s):

"Lecture" 3 hours per week

ELEC 456 Antennas (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 351.

Description:

Antenna fundamentals and definitions. Radiation integrals. Dipoles and loops. Arrays. Antenna self and mutual impedance. Matching techniques. Travelling wave antennas. Broadband antennas. Equivalence principle. Aperture antennas. Antenna measurement techniques.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 457 Design of Wireless RF Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 453.

Description:

Introduction to wireless systems. Noise and distortion in microwave systems. Antennas and propagation. Amplifiers. Mixers. Transistor oscillators and frequency synthesizers. Modulation techniques. Receiver design. Use of RF CAD tools.

Component(s):

"Lecture" 3 hours per week

ELEC 458 Techniques in Electromagnetic Compatibility (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 351.

Description:

Introduction to EMC procedures, control plans, and specifications. Radiated and conducted susceptibility and emission testing. Introduction to EMC antennas, antenna concepts, electric and magnetic dipoles, biconical dipoles, conical log spiral antennas, setting up fields for susceptibility testing, measuring radiation from equipment. Coupled transmission lines, pulse propagation, closely spaced parallel transmission lines, capacitive coupling, inductive coupling, shielding against magnetic fields. Shielding and enclosures, electric and magnetic field screening mechanisms, shielding effectiveness, grounding considerations. EMC test facilities, screened rooms, TEM cells, signals and spectra, intermodulation, cross-modulation, the spectrum analyzer. Noise and pseudo-random noise, noise performance of measurement/receiving systems, noise equivalent bandwidth, noise figure, antenna noise temperature and S/N ratio.

Component(s):

"Lecture" 3 hours per week

ELEC 464 Wireless Communications (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 367.

Description:

Introduction to error control coding: linear block codes, syndrome-based decoding, coding vs. modulation, convolutional codes, Viterbi decoder. Communications link analysis. Introduction to cellular systems: frequency reuse, trunking and grade

of services, sectoring and cell splitting, coverage and capacity. Modulation techniques for mobile communications. Mobile radio channels. Spread-spectrum techniques. Multiplexing and multiple access techniques. Wireless standards from first generation to fourth generation; OFDM: an architecture for the fourth generation.

Component(s):

"Lecture" 3 hours per week

ELEC 465 Network Security and Management (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COEN 366 or COEN 445 or ELEC 366 or ELEC 463.

Description:

This course covers fundamental topics in network security and management, such as basic cryptography, authentication, message integrity, firewalls, security protocols, virtual private networks (VPNs), Botnets, Management Information Bases (MIBs), and Simple Network Management Protocol (SNMP). It also addresses emerging trends such as distributed hash table (DHT), blockchain and Internet of Things (IoT) security.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- Students who have received credit for SOEN 321 may not take this course for credit.

ELEC 466 Introduction to Optical Communication Systems (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 351, ELEC 367.

Description:

Overview of optical fibres and optical fibre communications. Signal propagation in optical fibres: attenuation, chromatic dispersion, mode coupling, and nonlinearities. Optical transmitters' characteristics and requirements for optical networks. Power launching and coupling: optical transmitter-to-fibre coupling, fibre-to-fibre joints, and optical fibre connectors. Optical receivers: basic structures, noise analysis, characteristics and requirements for optical networks. Digital/analog transmissions: link power budget, rise-time budget, line coding, error correction, and noise effects on transmissions. WDM concepts: operation principle of WDM. Optical amplifiers: characteristics and requirements for optical networks, amplifier noise, system applications, and wavelength conversion. Optical networks: basic topologies, SONET/SDH, broadcast-and-select WDM networks, wavelength-routed networks. Optical measurements: test equipments, attenuation/dispersion measurements, OTDR, eye pattern and OSA.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 470 Broadcast Signal Transmission (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 363 or ELEC 367.

Description:

Topics include signal definition, human eye limitations, pixel representation schemes, interfaces serial digital interface (SDI), image formats (1080i, 720i, 4k, 8k), compression schemes: MPEG-2, MPEG-4, moving JPEG. Modulation techniques: QPSK, QAM, VSB. Advanced terrestrial transmission standards such as DVB-T2, ATSC-3. Satellite broadcasting standards such as DVB/S2. Path calculation: antennas, up and down conversion, solid state and travelling wave tube amplifiers. Transmission lines, waveguide and coaxial cable.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for this topic under an ELEC 498 number may not take this course for credit.

ELEC 472 Advanced Telecommunication Networks (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COEN 366 or COEN 445 or ELEC 366 or ELEC 463.

Description:

This course covers Internet that has moved beyond the three “classical” services of email, file transfer and remote log-in to providing real-time multimedia communication. The course provides the basic building blocks for the students to understand the current capabilities and potential of high-speed Internet to support emerging Internet services. Review of Internet architecture is followed by quality of service (QoS) requirements and protocols such as differentiated services, integrated services, Resource reservation protocol (RSVP), and Multi protocol label switching (MPLS) to support QoS. Topics also include protocols and standards for voice over IP; H.323, Session Initiation Protocol (SIP) and Media Gateway Control Protocol (MGCP); and their interworking.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 473 Autonomy for Mobile Robots (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ELEC 372; ENGR 371.

Description:

The course discusses application of autonomous wheeled robots such as autonomous cars, indoor robots, and (off-road) unmanned ground vehicles. Topics include robot motion models, robot odometry, robot sensor models (beam models of range finders and feature-based measurement models) and occupancy grid mapping. The course also covers state estimation for robot localization and introduction to simultaneous localization and mapping (SLAM). Assignments include algorithm implementation on a robot.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for this topic under an ELEC 498 number may not take this course for credit.

ELEC 481 Linear Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AERO 371 or ELEC 372 or MECH 371.

Description:

Review of matrix algebra. State-space description of dynamic systems: linearity, causality, time-invariance, linearization. Solution of state-space equations. Transfer function representation. Discrete-time models. Controllability and observability. Canonical forms and minimal-order realizations. Stability. Stabilizability and pole placement. Linear quadratic optimal control. Observer design.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- Students who have received credit for ENGR 471 may not take this course for credit.

ELEC 482 System Optimization (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 391 or EMAT 391.

Description:

Linear least squares. Properties of quadratic functions with applications to steepest descent method, Newton's method and Quasi-Newton methods for nonlinear optimization. One-dimensional optimization. Introduction to constrained optimization, including the elements of Kuhn-Tucker conditions for optimality. Least pth and mini-max optimization. Application of optimization techniques to engineering problems.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

Notes:

- Students who have received credit for ENGR 472 may not take this course for credit.

ELEC 483 Real-Time Computer Control Systems (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: AERO 371 or ELEC 372; ELEC 342 or ELEC 364.

Description:

Introduction to real-time computer control systems; a review of discrete-time signals and systems, difference equations, z-transform; sampled-data systems, sample and hold, discrete models; discrete equivalents of continuous-time systems; stability analysis; design specifications; design using root locus and frequency response methods; implementation issues including bumpless transfer, integral windup, sample rate selection, pre-filtering, quantization effects and computational delay; scheduling theory and priority assignment to control processes, timing of control loops, effects of missed deadlines; principles and characteristics of sensors and devices, embedded processors, processor/device interface.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 15 hours total

ELEC 490 Capstone Electrical Engineering Design Project (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 301, ENGR 371; COEN 311; ELEC 342 or ELEC 364; ELEC 390. Students must complete a minimum of 75 credits in the BEng (Electrical) prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Students are assigned to groups, and work together under faculty supervision to solve a complex interdisciplinary design problem — typically involving communications, control systems, electromagnetics, power electronics, software design, and/or hardware design. The project fosters teamwork between group members and allows students to develop their project management, technical writing, and technical presentation skills.

Component(s):

"Tutorial" 1 hour per week, two terms; "Laboratory" Equivalent time, 9 hours per week, two terms

Notes:

- All written documentation must follow the Concordia Form and Style guide. Students are responsible for obtaining this document before beginning the project.

ELEC 498 Topics in Electrical Engineering (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course may be offered in a given year upon the authorization of the Electrical and Computer Engineering Department. The course content may vary from offering to offering and will be chosen to complement elective courses available in a given year.

Concordia Institute for Aerospace Design and Innovation Courses

IADI 301 Undergraduate Aerospace Industry Project I (3 credits)

Prerequisite/Corequisite:

Students must complete a minimum of 24 credits within their respective Engineering program prior to enrolling.

Description:

The activities associated with this course include an industry-based project in the aerospace field, participation in regular meetings with the industry supervisor, attendance at training sessions (as applicable), industry training and tours. A final report of the industry project must be submitted to the director of education of CIADI. A grade of pass or fail will be awarded based on the evaluation of the final report as well as an assessment provided by the industry project supervisor.

Component(s):

"Lecture"

Notes:

- This course is marked on a pass/fail basis
- The Undergraduate Aerospace Industry Project courses (IADI 301 and IADI 401) are three-credit extension courses. They are above and beyond the credit requirements of the student's program and are not transferable, nor are they included in the full- or part-time assessment status.

IADI 401 Undergraduate Aerospace Industry Project II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: IADI 301 with a grade of Pass.

Description:

The activities associated with this course include an industry-based project in the aerospace field, participation in regular meetings with the industry supervisor, attendance at training sessions (as applicable), industry training and tours. A final report of the industry project must be submitted to the director of education of CIADI. A grade of pass or fail will be awarded based on the evaluation of the final report as well as an assessment provided by the industry project supervisor.

Component(s):

"Lecture"

Notes:

- This course is marked on a pass/fail basis.
- The Undergraduate Aerospace Industry Project courses (CIADI 301 and 401) are three-credit extension courses. They are above and beyond the credit requirements of the student's program and are not transferable, nor are they included in the full- or part-time assessment status.

IADI 420 Professional Development and Experiential Learning in Aerospace (0 credits)

Description:

Students enrolled in a minimum of six hours of professional development workshops, lectures and/or experiential learning activities in the aerospace sector, provided by CIADI, may request to have this course appear on their official university transcript. Requests can be made by contacting the CIADI education director.

Notes:

- This course is marked on a pass/fail basis.

Industrial Engineering Courses

INDU 211 Introduction to Production and Manufacturing Systems (3 credits)

Description:

History of industrial engineering. Role of industrial engineers. Types of manufacturing and production systems. Material flow systems. Job design and work measurement. Introduction to solution methodologies for problems which relate to the design and operation of integrated production systems of humans, machines, information, and materials.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

INDU 311 Simulation of Industrial Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 371.

Description:

Modelling techniques in simulation; application of discrete simulation techniques to model industrial systems; random number generation and testing; design of simulation experiments using different simulation languages; output data analysis.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

INDU 320 Production Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INDU 323.

Description:

The systems approach to production. Interrelationships among the component blocks of the system: forecasting, aggregate planning, production, material and capacity planning, operations scheduling. An overview of integrated production planning and control including MRP II, Just in Time manufacturing (JIT).

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

INDU 321 Lean Manufacturing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INDU 320.

Description:

Lean fundamentals; lean manufacturing; lean engineering; lean principles, tools and techniques, practices, and implementation; five S's, process analysis/spaghetti charts, value engineering; value stream mapping; standardized work/ standard times; set-up reduction/line balancing; unit manufacturing; cell layout/cellular manufacturing; total productive maintenance; anban; lean supply chain management; transition-to-lean roadmap; people/organizational issues in the lean enterprise; Six Sigma;TOM; agile manufacturing.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- Students who have received credit for INDU 420 may not take this course for credit.

INDU 323 Operations Research I (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213, ENGR 233; INDU 211; MIAE 215.

Description:

This course is an introduction to deterministic mathematical models with emphasis on linear programming. Applications to production, logistics, and service systems. Computer solution of optimization problems.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

INDU 324 Operations Research II (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INDU 323.

Description:

Integer programming (IP), including modelling and enumerative algorithms for solving IP problems; post-optimality analysis. Network flows, dynamic programming and non-linear programming. Applications in the design and operation of industrial systems.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 2 hours per week, alternate weeks

Notes:

- Students who have received credit for INDU 430 may not take this course for credit.

INDU 330 Engineering Management (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENCS 282. The following course must be completed previously or concurrently: ENGR 301.

Description:

Organizational structures, their growth and change. Motivation, leadership, and group behaviour. Design of alternatives for improving organizational performance and effectiveness. Planning, organization and management of engineering projects. Management for total quality.

Component(s):

"Lecture" 3 hours per week

INDU 342 Logistics Network Models (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INDU 324.

Description:

Overview of transportation systems; airlines, railways, ocean liners, cargo, energy transportation and pipelines. Supply chain characterization. Site location. Distribution planning. Vehicle routing. Fleet scheduling. Crew scheduling. Demand management. Replenishment management. Revenue management. Geographic information systems. Real-time network control issues. Project.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for INDU 442 may not take this course for credit.

INDU 371 Stochastic Models in Industrial Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 371.

Description:

Overview of probability theory; probability distributions; exponential model and Poisson process; discrete-time and continuous-time Markov chains; classification of states; birth and death processes; queuing theory. Application to industrial engineering problems.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

INDU 372 Quality Control and Reliability (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 371.

Description:

Importance of quality; total quality management; statistical concepts relevant to process control; control charts for variables and attributes; sampling plans. Introduction to reliability models and acceptance testing; issues of standardization.

Component(s):

"Lecture" 3 hours per week

INDU 410 Safety Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 311 or MIAE 311. The following course must be completed previously or concurrently: MIAE 312.

Description:

This course focuses on the following topics: engineering design for the control of workplace hazards; occupational injuries and diseases; codes and standards; Workplace Hazardous Materials Information Systems (WHMIS); hazard evaluation and control; design criteria; risk assessment; safety in the manufacturing environment; applications in ventilation, air cleaning, noise and vibration.

Component(s):

"Lecture" 3 hours per week

INDU 411 Computer Integrated Manufacturing (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 311 or MIAE 311. The following course must be completed previously or concurrently: MIAE 312.

Description:

This course focuses on concepts and benefits of computer integrated manufacturing (CIM); design for manufacturing; computer-aided design, process planning, manufacturing (computer numerical control parts programming), and inspection; robots in CIM; production planning and scheduling in CIM; system integration.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

INDU 412 Human Factors Engineering (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 371.

Description:

Elements of anatomy, physiology, and psychology; engineering anthropometry; human capacities and limitations; manual material handling; design of workplaces; human-machines system design; design of controls and displays; shift work.

Applications to a manufacturing environment.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

INDU 421 Facilities Design and Material Handling Systems (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: INDU 311. The following course must be completed previously: INDU 320.

Description:

An introduction to planning and design of production and manufacturing. Facility layout and location. Material handling systems and equipment specifications. Computer-aided facilities planning.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

INDU 423 Inventory Control (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INDU 320.

Description:

This course provides the fundamentals of inventory control and management within a company and its impact on the supply chain. The implications of inventory control decisions on production, distribution and logistics operations are emphasized. The methods of reducing inventory holding costs while providing an effective product availability are covered. The topics covered include an introduction to role of inventories and associated costs in a firm, optimal lot sizing and safety stock decisions, coordinated replenishment of items; perishable inventories, supply chain management.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

INDU 424 Introduction to Enterprise Resource Planning (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INDU 320.

Description:

This course covers the essential principles and techniques for the design and applications of Enterprise Resource Planning (ERP) systems. ERP has become an integral part of medium- to large-size companies in today's competitive world of business. ERP systems integrate different functions across various departments of a company in one system to meet all business process requirements quicker, more accurately and efficiently. The course describes the requirements of ERP systems followed by the introduction of ERP modules on Materials Management, Production Planning, Sales and Distribution, and Financial Accounting and Controlling. Various applications are illustrated using SAP ERP.

Component(s):

"Lecture" 3 hours per week

INDU 431 Quantitative Methods in Health-care Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INDU 324.

Description:

Topics include mathematical modelling and optimization methods in health-care problems, health-care staff planning and scheduling, operating room management, appointment scheduling in clinics, production and delivery of radio-pharmaceuticals, resource allocation and capacity planning in hospitals, ambulance redeployment and dispatching, routing and scheduling of caregivers in home-health industries, health-care facility location, inventory management of blood products, kidney exchange optimization and optimization in radiation therapy (IMRT and VMAT). A project is required.

Component(s):

"Lecture" 3 hours per week

INDU 441 Introduction to Six Sigma (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INDU 372.

Description:

Overview of the Six Sigma concepts and tools. Six Sigma deployment practices: Define, Measure, Analyze, Improve and Control phases (DMAIC). Project development, and the DMAIC problem-solving approach. Project.

Component(s):

"Lecture" 3 hours per week

INDU 466 Decision Models in Service Sector (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 371; INDU 320.

Description:

Introduction to service strategy and operations. Service demand forecasting and development of new services. Service facility location and layout planning. Applications of decision models in service operations and service quality control. Cost analysis, queuing models, risk management and resource allocation models for service decisions. Service outsourcing and supply chain issues. Efficiency and effectiveness issues in different service sectors such as emergency force deployment, municipal resource allocation and health care. Case studies using operations research, operations management, and statistical techniques.

Component(s):

"Lecture" 3 hours per week

INDU 475 Advanced Concepts in Quality Improvement (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INDU 372.

Description:

Statistical experimental design issues such as randomized blocks, factorial designs at two levels, applications on factorial designs, building models, Taguchi methods.

Component(s):

"Lecture" 3 hours per week

INDU 480 Cases in Industrial Engineering (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: INDU 311, INDU 324.

Description:

This course uses the case teaching method to train industrial engineering students to analyze real- world situations using the tools of operations research. Students assume the roles of engineering consultants working together to solve a problem posed by the client in each case. As a consequence, students obtain experience dealing with all steps involved in solving a real problem, from identification of stakeholders, problem formulation and identification of data requirements, to model implementation and analysis of results. Students are required to participate in class discussions of the case and to present their solutions in either report or presentation form.

Component(s):

"Lecture" 3 hours per week

INDU 490 Capstone Industrial Engineering Design Project (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 301; MIAE 380. The following courses must be completed previously orconcurrently INDU 421.Students must complete 75 credits in the program prior to enrolling.

Description:

This course includes a supervised design, simulation or experimental capstone design project including a preliminary project proposal with complete project plan and a technical report at the end of the fall term, and a final report by the group and individual oral presentation at the end of the winter term.

Component(s):

"Lecture" 1 hour per week, one term; "Laboratory" Equivalent time, 5 hours per week, two terms

Notes:

- Students work in groups under direct supervision of a faculty member.

INDU 498 Topics in Industrial Engineering (3 credits)

Prerequisite/Corequisite:

Permission of the Department Chair is required.

Description:

This course may be offered in a given year upon the authorization of the Mechanical, Industrial and Aerospace Engineering Department. The course content may vary from offering to offering and will be chosen to complement the elective courses available in the Industrial Engineering program.

Component(s):

"Lecture" 3 hours per week

Mechanical Engineering Courses

MECH 321 Properties and Failure of Materials (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 221 or MIAE 221.

Description:

This course covers the following topics: the service capabilities of alloys and their relationship to microstructure as produced by thermal and mechanical treatments; tensile and torsion tests; elements of dislocation theory; strengthening mechanisms; composite materials; modes of failure of materials; fracture, fatigue, wear, creep, corrosion; failure analysis; material codes; material selection for design.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory"

Notes:

- Students who have received credit for AERO 481 may not take this course for credit.

MECH 343 Theory of Machines (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213, ENGR 233, ENGR 243.

Description:

Introduction to mechanisms; position and displacement; velocity; acceleration; synthesis of linkage; robotics; static force analysis; dynamic force analysis; forward kinematics and inverse kinematics; introduction to gear analysis and gear box design; kinematic analysis of spatial mechanisms.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

MECH 344 Machine Element Design (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 244; MECH 313 or MIAE 313. The following courses must be completed previously or concurrently: MECH 343.

Description:

This course presents the basic principles employed in the design of standard mechanical components such as spur gears, shafts and rolling element bearings subjected to operating force and moment fields. The course highlights the adaptation of theoretical stress relationships to practical design problems.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

Notes:

- Students who have received credit for MECH 441 may not take this course for credit.

MECH 351 Thermodynamics II (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 251.

Description:

Brief review of ideal gas processes. Semi-perfect gases and the gas tables. Mixtures of gases, gases and vapours, air conditioning processes. Combustion and combustion equilibrium. Applications of thermodynamics to power production and utilization systems: study of basic and advanced cycles for gas compression, internal combustion engines, power from steam, gas turbine cycles, and refrigeration. Real gases.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

MECH 352 Heat Transfer I (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 311, ENGR 361.

Description:

Analytical and numerical methods for steady-state and transient heat conduction. Empirical and practical relations for forced- and free-convection heat transfer. Radiation heat exchange between black bodies, and between non-black bodies. Gas radiation. Solar radiation. Effect of radiation on temperature measurement.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

MECH 361 Fluid Mechanics II (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENGR 361.

Description:

This course covers elements of fluid mechanics, building on topics introduced in ENGR 361. Topics include the mechanical properties of fluids and the concepts of stress and strain in fluid mechanics. The continuity equation is discussed. The stream function, velocity potential and vorticity are introduced as well as potential irrotational flows. The Navier-Stokes Equations and their elementary solutions are discussed. Students are introduced to laminar and turbulent flows, flows around solid bodies, boundary layers, separation and wakes. Finally, compressible flows are introduced.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

MECH 368 Electronics for Mechanical Engineers (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 205; MIAE 215.

Description:

This course covers the following topics: voltage and current dividers, voltage and current sources, Thevenin and Norton equivalent sources; semiconductors and diodes; amplifiers and switches; operational amplifiers; digital logic components and circuits (flip-flops, registers, memories, MUX/DEMUX, etc.); digital systems; digital communication and computer architecture.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week, alternate weeks

Notes:

- Electrical Engineering and Computer Engineering students may not take this course for credit.
- Students who have received credit for MECH 470 may not take this course for credit.

MECH 371 Analysis and Design of Control Systems (3.75 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHYS 205; ENGR 243, ENGR 311.

Description:

This course deals with the fundamental principles of control systems. The course develops the basic understanding of control system theory and its role in engineering design. Students are exposed to many practical problems and their solutions. The laboratory work presents the opportunity to experiment with actual control systems hardware. This course covers the following topics: modelling of dynamic systems including mechanical and electrical elements; block diagram representation; time domain analysis; transient and steady-state characteristics of dynamic systems; linearization; transfer functions; stability of linear feedback systems; root-locus method; frequency response concepts; feedback system design using root locus techniques; PID-controller design; simulation and computer-aided controller design using Matlab/Simulink.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 3 hours per week, alternate weeks

Notes:

- Students who have received credit for ELEC 372 may not take this course for credit.

MECH 373 Instrumentation and Measurements (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 311; AERO 371 or MECH 370 or MECH 371.

Description:

This course covers the following topics: unified treatment of measurement of physical quantities; static and dynamic characteristics of instruments (calibration, linearity, precision, accuracy, and bias and sensitivity drift); sources of errors; error analysis; experiment planning; data analysis techniques; principles of transducers; signal generation, acquisition and processing; principles and designs of systems for measurement of position, velocity, acceleration, pressure, force, stress, temperature, flow-rate, and proximity detection. The course includes demonstration of various instruments.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

Notes:

- Students who have received credit for MECH 411 may not take this course for credit.

MECH 375 Mechanical Vibrations (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: AERO 371 or MECH 370 or MECH 371 .

Description:

This course covers the following topics: transient and steady-state vibrations under periodic, impulsive shock and arbitrary excitation; multi-degree-of-freedom systems (free and forced response, influence coefficients, orthogonality principle, and numerical methods); introduction to free vibrations of prismatic bars; Lagrange's equations; vibration measurement and control.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 2 hours per week, alternate weeks

Notes:

- Students who have received credit for MECH 443 may not take this course for credit.

MECH 390 Mechanical Engineering Design Project (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MECH 311 or MIAE 311; MECH 343; MIAE 380. The following course must be completed previously or concurrently: MECH 344.

Description:

This course covers the following topics: the design process; product cost, quality and time to market, open and concept design problems, problem description; geometric and type synthesis; direct and inverse design problems; material selection and load determination; mathematical modelling, analysis, and validation; introduction to Computer-Aided Design and Engineering (CAD and CAE); product evaluation for performance, tolerance, cost, manufacture, assembly, and other measures; design documentation. A team-based design project is an intrinsic part of this course.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 1 hour per week

MECH 412 Computer-Aided Mechanical Design (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 311 or MIAE 311.

Description:

This course is an introduction to computational tools in the design process. The following topics are covered: introduction to the fundamental approaches to computer-aided geometric modelling, physical modelling and engineering simulations; establishing functions and functional specifications with emphasis on geometric tolerancing and dimensioning, manufacturing and assembly evaluation.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 414 Computer Numerically Controlled Machining (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 311 or MIAE 311. The following course must be completed previously or concurrently: MIAE 312.

Description:

This course focuses on computer-aided design and manufacturing (CAD/CAM) hardware and software. The following topics are covered: essentials of Computer Numerical Control (CNC) machine tools and systems; process planning and tooling systems for CNC machining, theory of CNC programming of sculptured parts; multi-axis CNC tool path generation; project using CAD/CAM software; CATIA for complex mechanical parts design and a CNC machine tool to manufacture parts.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 415 Advanced Programming for Mechanical and Industrial Engineers (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 215 or MIAE 215.

Description:

This course focuses on class definitions. The following topics are covered: designing classes and member functions; constructors and destructors; class libraries and their uses; input and output; data abstraction and encapsulation; introduction to software engineering; computer graphics and visualization; numerical methods; advanced mechanical and industrial engineering applications. This course includes a substantial project.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

MECH 421 Mechanical Shaping of Metals and Plastics (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 221 or MIAE 221.

Description:

This course focuses on metal forming: extrusion, forging, rolling, drawing, pressing, compacting; shear line theory, sheet forming limits; metal cutting, machinability, tooling; plastics shaping: extrusion, moulding, vacuum forming; consideration of the mechanical parameters critical for process control and computer applications; interaction of materials characteristics with processing to define product properties (cold working, annealing, hot working, super plasticity, thermomechanical treatment); energy conservation, safety, product quality, and liability.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 422 Mechanical Behaviour of Polymer Composite Materials (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 233, ENGR 244; MECH 221 or MIAE 221.

Description:

This course focuses on general applications of polymer composite materials in aircraft, aerospace, automobile, marine, recreational, and chemical processing industries. The following topics are covered: mechanics of a unidirectional lamina; transformation of stress, strain, modulus, and compliance; off-axis engineering constants, shear and normal coupling coefficients; in-plane and flexural stiffness and compliance with different laminates, including cross-ply, angle-ply, quasiisotropic, and general bidirectional laminates; hygrothermal effects; strength of laminates and failure criteria; micromechanics.

Component(s):

"Lecture" 3 hours per week

MECH 423 Casting, Welding, Heat Treating, and Non-Destructive Testing (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 221 or MIAE 221.

Description:

This course focuses on comparative analysis of the various techniques of casting, welding, powder fabrication, finishing, and non-destructive testing. The following topics are covered: consideration of the control parameters that are essential to define both automation and robot application; materials behaviour which determines product micro-structure and properties; technology and theory of solidification, normalizing, quenching, surface hardening, tempering, aging, and thermomechanical processing for steels, cast irons and Al, Cu, Ni and Ti alloys; energy conservation, worker safety, quality control, and product liability.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 424 MEMS — Design and Fabrication (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MECH 311 or MIAE 311; MECH 343. The following course must be completed previously or concurrently: MIAE 312.

Description:

This course is an introduction to microsystems and devices; mechanical properties of materials used in microsystems; microfabrication and post-processing techniques; sacrificial and structural layers; lithography, deposition and etching; introduction and design of different types of sensors and actuators; micromotors and other microdevices; mechanical design, finite element modelling; design and fabrication of free-standing structures; microbearings; special techniques: double-sided lithography, electrochemical milling, laser machining, LIGA, influence of IC fabrication methods on mechanical properties; application examples in biomedical, industrial, and space technology areas; integration, bonding and packaging of MEMS devices.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 425 Manufacturing of Composites (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 311 or MIAE 311. The following course must be completed previously or concurrently: MIAE 312.

Description:

This course focuses on fibres and resins. The following topics are covered: hand lay up; autoclave curing; compression molding; filament winding; resin transfer molding; braiding. Injection molding; cutting; joining; thermoset and thermoplastic composites; Polymer Nanocomposites; process modelling and computer simulation; non-destructive evaluation techniques.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 426 Stress and Failure Analysis of Machinery (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 233, ENGR 244; AERO 481 or MECH 321.

Description:

Analysis of stresses, strains and deformations in machine elements; non-symmetric bending of beams; shear centre for thin-walled beams; curved beams; torsion of non-circular shafts and tubes; thick wall cylinders; plates and shells; contact elements; stress concentrations; energy methods; failure modes, analysis and prevention; buckling, fracture, fatigue and creep.

Component(s):

"Lecture" 3 hours per week

MECH 428 Failure Analysis of Machine Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 344.

Description:

This course presents the failure analysis principles employed in the design of mechanical components such as belt and chain drives, helical and bevel gears, bolted and welded joints subjected to operating force and moment fields. The course highlights advanced topics of mechanical components to practical design problems. Students are required to complete assignments including tests, examinations and a course project as a means of assessing their ability to apply the generic approaches discussed to real-life mechanical engineering design problems.

Component(s):

"Lecture" 3 hours per week

MECH 444 Guided Vehicle Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 375.

Description:

Definition and classification of guided transportation systems. Track characterization: alignment, gage, profile, and cross-level irregularities. Wheel-rail interactions: rolling contact theories, creep forces. Modelling of guided vehicle components: wheel set, suspension, truck and car body configurations, suspension characteristics. Performance evaluation: stability hunting, ride quality. Introduction to advanced vehicles.

Component(s):

"Lecture" 3 hours per week

MECH 447 Fundamentals of Vehicle System Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 343. The following course must be completed previously or concurrently: MECH 375.

Description:

This course covers the following topics: tiremechanics; performance characteristics of road vehicles such as maximum acceleration, velocity and gradability; driving condition diagrams; brake system design, braking performance, ideal braking force distribution, braking efficiency, and antilock braking system; handling characteristics, steady-state and transient responses to steering inputs, transient measurement methods, and directional stability; ride analysis, suspension system design and modelling, and simple ride models. This course includes case studies using CarSim and mini projects.

Component(s):

"Lecture" 3 hours per week

MECH 451 Renewable Energy: Fundamentals and Applications (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MECH 351, MECH 352, MECH 361.

Description:

This course introduces the fundamental aspects and the main applications of renewable energy systems. The focus is on the thermodynamics, heat transfer and fluid mechanics aspects of renewable energy systems. The course covers the following topics: review of thermodynamics, review of heat transfer, review of fluid mechanics, solar energy, wind energy, hydropower, geothermal energy, biomass energy, ocean energy and hydrogen and fuel cells.

Component(s):

"Lecture" 3 hours per week

MECH 452 Heat Transfer II (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MECH 351, MECH 352, MECH 361.

Description:

Heat exchangers. Condensation and boiling heat transfer. Principles of forced convection. Analysis of free convection from a vertical wall. Correlations for free convection in enclosed spaces. Mass transfer. Special topics of heat transfer.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 453 Heating, Ventilation and Air Conditioning Systems (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 352.

Description:

This course covers the following topics: heating and cooling load calculation; overview of heating and air conditioning systems; review of vapour compression refrigeration cycles, refrigerant properties, and psychometrics; performance characteristics of components (evaporators, condensers, compressors, and throttling devices, such as expansion valves and capillary tubes); system performance characteristics (calculation of system operating conditions based on the capacities of its components and outdoor and indoor conditions); defrosting; estimation of energy consumption for heating with heat pumps; fundamentals of refrigerant piping, water piping, and air distribution systems.

Component(s):

"Lecture" 3 hours per week

MECH 454 Vehicular Internal Combustion Engines (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MECH 351, MECH 361.

Description:

Mechanical design of vehicular engines for different applications. Gas exchange and combustion engine processes. Combustion chambers design. Fuels for vehicular engines. Fuel supply, ignition and control systems. Cooling and lubrication of engines. Emissions formation and control. Engines' operational characteristics — matching with vehicles. Enhancement of engine performance. Engine testing. Environmental impact of vehicular engines on global pollution. Recent developments in energy efficient and "clean" engines. Design or calculation project of vehicular engine.

Component(s):

"Lecture" 3 hours per week

MECH 460 Finite Element Analysis (3.75 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 244, ENGR 391.

Description:

Formulation and application of the finite element method to modelling of engineering problems, including stress analysis, vibrations, and heat transfer. Examples illustrating the direct approach, as well as variational and weighted residual methods. Elements and interpolation functions. Meshing effect. Error analysis. One- and two-dimensional boundary value problems. Development of simple programs and direct experience with general purpose packages currently used in industry for design problems.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 3 hours per week, alternate weeks

MECH 461 Gas Dynamics (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 361.

Description:

Review of one-dimensional compressible flow. Normal and oblique shock waves; Prandtl-Meyer flow; combined effects in one-dimensional flow; non-ideal gas effects; multi-dimensional flow; linearized flow; method of characteristics. Selected experiments in supersonic flow, convergent-divergent nozzles, hydraulic analog and Fanno tube.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 463 Fluid Power Control (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 361; MECH 371.

Description:

This course is an introduction to fluid power; pneumatic devices; fluidic devices; hydraulic system components; hydraulic and electro-hydraulic systems; dynamic performance of fluid power systems; fluid logic.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 468 Wind Turbine Engineering (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MECH 343, MECH 361. The following courses must be completed previously or concurrently: MECH 344, MECH 371.

Description:

This course is designed to cover the theoretical and practical areas pertinent to the operation of wind turbines. The following topics are covered: energy in the wind; aerodynamic drag and lift of turbine blades; horizontal axis and vertical axis wind turbine designs; generators; control systems; mechanical load analysis such as blade, tower, generator and gearbox; blade and tower design; turbine braking; economical, environmental and safety aspects.

Notes:

- Students who have received credit for MECH 462 may not take this course for credit.

MECH 471 Microcontrollers for Mechatronics (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 311; MECH 368.

Description:

Introduction to the concepts and practices of microcontrollers and their application for the control of electromechanical devices and systems. Study of the internal architecture of microcontrollers; programming in assembly language for specific microcontroller functions and controller algorithms; timing of the microcontroller and interfacing with peripheral devices. Students undertake hands-on project work by controlling the position or speed of a DC motor with a feed-back sensor.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 472 Mechatronics and Automation (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 215 or MIAE 215. The following course must be completed previously or concurrently: MECH 371.

Description:

This course focuses on design and analysis of mechatronic and automation systems. The following topics are covered: selection and integration of actuators, sensors, hardware, and software; computer vision; programming and software design for mechatronic systems; modelling and simulation; design of logic control systems; finite state machine methods; feedback control and trajectory generation; safety logic systems; case studies including automation systems, mobile robots, and unmanned vehicle systems.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 473 Control System Design (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 372 or MECH 371.

Description:

Analog and digital controller designs. Analog controllers: lead/lag compensators, pole placement, model matching, two-parameter configuration, plant input/output feedback configuration. Digital controllers: difference equations, Z-transform, stability in the Z-domain, digital implementation of analog controllers, equivalent digital plant method, alias signals, selection of sampling time. Introduction to analog/digital state-space: controllability, observability, state feedback, state estimator. PI and PID controllers. Simulink assignments and project. Hardware laboratory project: analog and digital controller design for motor with inertial plus generator load.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week, alternate weeks

MECH 474 Mechatronics (3.75 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ELEC 372 or MECH 371.

Description:

Introduction to mechatronics; basic elements of mechatronic systems. Measurement systems: including principles of measurement systems; sensors and transducers; signal conditioning processes and circuits; filters and data acquisition. Actuation systems: mechanical actuation systems and electrical actuation systems. Controllers: control modes; PID controller; performance measures; introduction to digital controllers and robust control. Modelling and analysis of mechatronic systems; performance measures; frequency response; transient response analysis; stability analysis.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 3 hours per week, alternate weeks

MECH 476 Generative Design and Manufacturing in Engineering (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 313 or MIAE 313. The following course must be completed previously or concurrently AERO 390 or MECH 390.

Description:

Generative design is a form-finding process that can mimic nature's evolutionary approach to design. It can start with design goals and then explore innumerable possible permutations of a solution to find the best option. This course provides fundamental information on generative design and manufacturing in engineering. The core techniques from mathematics to artificial intelligence that are commonly used in the creative industry are discussed. The formal paradigms and algorithms used for generation as well as cloud computing are also covered.

Component(s):

"Lecture" 3 hours per week

MECH 490 Capstone Mechanical Engineering Design Project (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 301; MECH 344, MECH 390; MIAE 312. Students must complete 75 credits in the program prior to enrolling.

Description:

This course includes a supervised design, simulation or experimental capstone design project including a preliminary project proposal with complete project plan and a technical report at the end of the fall term; a final report by the group and presentation at the end of the winter term.

Component(s):

"Lecture" 1 hour per week, one term; "Laboratory" Equivalent time, 5 hours per week, two terms

Notes:

- Students work in groups under direct supervision of a faculty member.
- With permission of the Department, students may enrol in AERO 490 instead of MECH 490.

MECH 498 Topics in Mechanical Engineering (3 credits)

Prerequisite/Corequisite:

Permission of the Department Chair is required.

Description:

This course may be offered in a given year upon the authorization of the Mechanical, Industrial and Aerospace Engineering Department. The course content may vary from offering to offering and will be chosen to complement the elective courses available in a given option or options.

Component(s):

"Lecture" 3 hours per week

Mechanical and Industrial Engineering Courses

MIAE 211 Mechanical Engineering Drawing (3.5 credits)

Description:

This course is an introduction to graphic language and design — means and techniques. The following topics are covered: the third and the first angle projections; orthographic projection of points, lines, planes and solids; principal and auxiliary views; views in a given direction; sectional views; intersection of lines, planes and solids; development of surfaces; drafting practices; dimensioning, fits and tolerancing; computer-aided drawing and solid modelling; working drawings — detail and assembly drawing; design practice; machine elements representation.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week — includes learning of a CAD software; "Laboratory" 2 hours per week, alternate weeks.

Notes:

- Students who have received credit for MECH 211 may not take this course for credit.

MIAE 215 Programming for Mechanical, Industrial and Aerospace Engineers (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 204 (Cegep mathematics 105).

Description:

This course focuses on writing programs using assignment and sequences; variables and types; operators and expressions; conditional and repetitive statements; input and output; file access; functions; program structure and organization; pointers and dynamic memory allocation; introduction to classes and objects. The course introduces Python programming for machine learning and includes mechanical and industrial engineering applications.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 1 hour per week

Notes:

- Students who have received credit for COEN 243 or MECH 215 may not take this course for credit.

MIAE 221 Materials Science (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CHEM 205 (Cegep Chemistry 101).

Description:

This course focuses on relationships between properties and internal structure, atomic bonding; molecular, crystalline and amorphous structures, crystalline imperfections and mechanisms of structural change; microstructures and their development from phase diagrams; structures and mechanical properties of polymers and ceramics; thermal and optical properties of materials.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- Students who have received credit for MECH 221 may not take this course for credit.

MIAE 311 Manufacturing Processes (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 313 or MIAE 313.

Description:

This course focuses on the fundamentals of manufacturing processes and their limitations, metrology, machine shop practice, safety and health considerations, forming, conventional machining and casting processes, welding and joining, plastic production, and non-conventional machining techniques; sustainable technologies.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

Notes:

- Students who have received credit for MECH 311 may not take this course for credit.

MIAE 312 Engineering Design and Manufacturing Processes Lab (1 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: MIAE 311.

Description:

This laboratory includes instruction and practice on conventional and advanced machine tools and a manufacturing project.

Component(s):

"Laboratory" Equivalent to 4 hours per week, alternate weeks

Notes:

- Students who completed MECH 311 or MIAE 311 prior to Summer 2021 cannot take this course for credit.

MIAE 313 Machine Drawing and Design (3.5 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MECH 211 or MIAE 211.

Description:

This course is an introduction to engineering design and design process. The following topics are covered: problem definition, solution formulation, model development and collaboration aspects of design process; the use of drawings and

other graphical methods in the process of engineering design; industrial standards and specifications, design of fits, linear and geometrical tolerances. Design projects based on design philosophies will involve design and selection of many standard machine components like mechanical drives, cams, clutches, couplings, brakes, seals, fasteners, springs, and bearings. Drawing representation of standard components is also covered. Design projects are an integral part of this course.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 12 hours total

Notes:

- Students who have received credit for MECH 313 may not take this course for credit.

MIAE 380 Product Design and Development (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENCS 282; MECH 211 or MIAE 211.

Description:

This course focuses on development processes and organizations, product planning, identifying customer needs, product specifications, concept generation, concept selection, concept testing, product architecture, industrial design, design for manufacturing, prototyping robust design, patents and intellectual property.

Component(s):

"Lecture" 3 hours per week

Notes:

- Students who have received credit for AERO 444 or INDU 440 may not take this course for credit.

MIAE 383 Applied Machine Learning in Mechanical, Industrial and Aerospace Engineering (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 371; MIAE 215 or COEN 243.

Description:

This course introduces machine learning (ML) methods with a focus on mechanical, industrial, and aerospace engineering (MIAE) applications. Topics include data analytics (data handling, cleaning, outlier detection, domain-driven feature extraction), supervised learning (regression, classification, ensembles), unsupervised learning (clustering, dimensionality reduction), and advanced topics (e.g., neural networks, reinforcement learning for decision-making, and generative artificial intelligence (AI) for design). Ethical and safety considerations in high-risk fields are explored. Emphasis is placed on ML in critical systems and MIAE-centric use cases, such as rotating machinery vibration, flight anomaly detection, flow control, predictive maintenance, manufacturing quality inspection, thermo-fluid systems, digital twins, and data-driven design of components.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 12 hours total

Section 71.70 Department of Computer Science and Software Engineering

Department of Computer Science and Software Engineering

Section 71.70.1 Curriculum for the Degree of Bachelor of/Baccalaureate in Computer Science

Section 71.70.2 Degree Requirements (BCompSc)

Section 71.70.3 Extended Credit Program

Section 71.70.4 Honours Program

Section 71.70.5 Minor in Computer Science

Section 71.70.6 Programs Related to Computer Science

Section 71.70.7 C.Edge (Career Edge) Option and Reflective Learning Courses

Section 71.70.8 Curriculum for the Degree of BEng in Software Engineering

Section 71.70.9 Degree Requirements for the BEng in Software Engineering

Section 71.70.10 Computer Science and Software Engineering Courses

Department of Computer Science and Software Engineering

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/ginacody/computer-science-software-eng.html

Objectives

The Department of Computer Science and Software Engineering offers three distinct undergraduate programs: Bachelor of/Baccalaureate in Computer Science (BCompSc); BCompSc in Health and Life Sciences; and BEng in Software Engineering.

Computer Science is the study and design of computer systems: hardware and software. Computer scientists are primarily concerned with the design of algorithms, languages, hardware architecture, systems software, applications software and tools. Applications range from simple game playing to the control of space vehicles, power plants and factories, from banking machines to intelligent fault and medical diagnosis. Computer professionals, in short, are concerned with the creation of computer and information systems for the benefit of society.

The BCompSc in Health and Life Sciences is offered in collaboration with the Department of Biology and shares a number of courses with the Honours in Systems and Information Biology and Specialization in Systems and Information Biology. The detailed description of these programs can be found in Section 71.75 Computer Science in Health and Life Sciences.

Software Engineering applies the principles and practices of engineering to the creation of reliable, efficient, and economical software. Software Engineering has its roots in the theory and mathematics of computer science, but carries this knowledge further towards creative applications such as software control systems for vehicles, aircraft, industrial processes; animation, interactive video, virtual reality, commercial systems for banking and financial analysis; health systems for the analysis of biological systems and the control of therapeutic devices.

It shares with engineering the rigorous methodology of analysis and design in the search for economical, reliable, and efficient solutions. Software engineers are trained in all aspects of the software life cycle, from specification through analysis and design, to testing, maintenance and evaluation of the product. They are concerned with safety and reliability of the product as well as cost and schedule of the development process. The discipline is particularly applicable to very large software projects, as well as the re-engineering of existing products.

Section 71.70.1 Curriculum for the Degree of Bachelor of/Baccalaureate in Computer Science

Computer Science Program

The Computer Science program emphasizes fundamentals and techniques that remain relevant and useful for many years after graduation. The program consists of a combination of core courses in computer science, elective courses in computer science and mathematics, and some free electives. The Computer Science Core provides a basic and broad study of theory, mathematical basics, programming methodology, computer architecture, data structures, operating systems, and software engineering.

Elective courses are presented in groups to guide students in the selection of advanced elective courses in computer science to provide further depth in computer science and the particular application area.

Related Programs

The Joint Major in Computation Arts and Computer Science combines a comprehensive education in both computer science and the design of interactive multimedia (see Section 71.80 Computation Arts and Computer Science).

The Joint Major in Data Science combines a comprehensive education in both computer science and mathematics and statistics (see Section 71.85 Data Science).

Honours Program

There is an honours program corresponding to the BCompSc (and associated joint majors) (see Section 71.70.4 Honours Program). In addition, all programs are offered in the co-operative format, with alternating study and work terms, for a limited number of students with suitable qualifications (see Section 24 Institute for Cooperative Education).

Section 71.70.2 Degree Requirements (BCompSc)

Degree Requirements

To be recommended for the degree of BCompSc, students must satisfactorily complete an approved program of at least 90 credits comprising the courses of the Computer Science Core, the Computer Science Complementary Core, Computer Science Electives, Mathematics Electives: BCompSc , and the remaining courses comprised of Minor and/or General Electives: BCompSc in accordance with the graduation requirements of Section 71.10.5 Graduation Regulations. The program also offers the BCompSc degree in the form of two joint major degrees (see Section 71.70.1 Curriculum for the Degree of Bachelor of/Baccalaureate in Computer Science).

Students may not register for a 400-level course before completing all of the 200-level Computer Science Core courses of their program.

The Gina Cody School of Engineering and Computer Science is committed to ensuring that its students possess good writing skills. Hence, every student in an undergraduate degree program is required to demonstrate competence in writing English or French prior to graduation.

All students admitted to the Gina Cody School of Engineering and Computer Science must meet the writing skills requirement as outlined in Section 71.20.7 Writing Skills Requirement.

If a student has satisfied the writing skills requirement prior to transferring to the Gina Cody School of Engineering and Computer Science, that student is deemed to have satisfied the writing skills requirement.

Newly admitted students are strongly encouraged to meet the requirement very early in their program (fall term of first year for students starting in September or winter term of first year for students starting in January) to avoid the risk of delayed graduation should remedial work prove necessary. Students who are required to take ESL courses should meet the Faculty writing skills requirements in the term following completion of their ESL courses.

BCompSc in Computer Science (90 credits)

33 credits from the Computer Science Core

6 credits from the Computer Science Complementary Core

4 credits of Artificial Intelligence Electives

14 credits of Computer Science Electives

6 credits of Mathematics Electives: BCompSc

27 credits of Minor electives or General Electives: BCompSc

Note: Students who wish to complete a minor offered by any other department in the University outside the Department of Computer Science and Software Engineering are strongly encouraged to declare their minor by the end of their first year. Students must satisfy the requirements for the minor program as determined by the department that offers it.

Note: Any credits beyond those required to complete a declared minor may be taken as General Electives.

BCompSc Computer Science Core (33 credits)

- COMP 228 System Hardware (3.00)
- COMP 232 Mathematics for Computer Science (3.00)
- COMP 233 Probability and Statistics for Computer Science (3.00)
- COMP 248 Object-Oriented Programming I (3.50)
- COMP 249 Object-Oriented Programming II (3.50)
- COMP 335 Introduction to Theoretical Computer Science (3.00)
- COMP 346 Operating Systems (4.00)
- COMP 348 Principles of Programming Languages (3.00)
- COMP 352 Data Structures and Algorithms (3.00)
- COMP 354 Introduction to Software Engineering (4.00)

BCompSc Complementary Core (6 credits)

- ENCS 282 Technical Writing and Communication (3.00)
- ENCS 393 Social and Ethical Dimensions of Information and Communication Technologies (3.00)

Artificial Intelligence Electives (4 credits)

4 credits minimum chosen from the following list:

Artificial Intelligence Group: BCompSc

Computer Science Electives (14 credits)

Computer Science Electives must be chosen from the following:

1) All COMP courses with numbers 325 or higher

2) COMP and SOEN courses with numbers between 6000 and 6951 (maximum of eight credits, and with permission from the Department)

3) Students may also choose from the courses listed below:

- ENGR 490 Multidisciplinary Capstone Design Project (6.00)
- SOEN 287 Web Programming (3.00)
- SOEN 321 Information Systems Security (3.00)
- SOEN 331 Formal Methods for Software Engineering (3.00)
- SOEN 357 User Interface Design (3.00)
- SOEN 387 Web-Based Enterprise Application Design (3.00)
- SOEN 422 Embedded Systems and Software (4.00)

- SOEN 423 Distributed Systems (4.00)
- SOEN 471 Big Data Analytics (4.00)
- SOEN 487 Web Services and Applications (4.00)

Elective courses are listed in the following groups to facilitate the selection of courses in a particular area of the field:

Artificial Intelligence Group: BCompSc
Computer Games Group: BCompSc
Data Analytics Group: BCompSc
Web Services and Applications Group: BCompSc

Note: Any credits exceeding the required number of Computer Science Elective credits will accrue towards the General Elective credits.

Mathematics Electives: BCompSc (6 credits)

Mathematics Electives must be chosen from the following list:

- COMP 339 Combinatorics (3.00)
- COMP 361 Elementary Numerical Methods (3.00)
- COMP 367 Techniques in Symbolic Computation (3.00)
- ENGR 213 Applied Ordinary Differential Equations (3.00)
- ENGR 233 Applied Advanced Calculus (3.00)
- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MAST 324 Introduction to Optimization (3.00)
- MAST 332 Techniques in Symbolic Computation (3.00)
- MAST 334 Numerical Analysis (3.00)
- MATH 251 Linear Algebra I (3.00)
- MATH 252 Linear Algebra II (3.00)
- MATH 339 Combinatorics (3.00)
- MATH 392 Elementary Number Theory and Cryptography (3.00)

Note: Credits exceeding the required number of Mathematics Elective credits will accrue towards the General Elective credits.

Note: Students cannot receive credit for both COMP 339 and MATH 339; COMP 361 and MAST 334; COMP 367 and MAST 332.

General Electives: BCompSc (27 credits)

General Electives must be chosen from the following lists:

Computer Science Electives (see above)

Mathematics Electives: BCompSc (see above)

General Education Humanities and Social Sciences Electives found in Section 71.110 Complementary Studies for Engineering and Computer Science Students

A course outside this list qualifies as a General Elective provided that the course is explicitly listed in the Undergraduate Calendar as part of a major, minor, or specialization program, or as part of the degree requirements for a BEng program at Concordia, and provided that the course is not included in the General Electives Exclusion List below.

General Electives Exclusion List

1. The following courses may not be taken to fulfill the General Electives requirement:

- BCEE 231 Structured Programming and Applications for Building and Civil Engineers (3.00)
- BIOL 322 Biostatistics (3.00)
- BTM 380 Business Application Development (3.00)
- BTM 382 Database Management (3.00)
- CART 315 Digital Game Prototyping (3.00)
- COMM 215 Business Statistics (3.00)
- EXCI 322 Statistics for Exercise Science (3.00)
- GEOG 264 Programming for Environmental Sciences (3.00)
- INTE 296 Discover Statistics (3.00)
- MAST 221 Applied Probability (3.00)
- MAST 333 Applied Statistics (3.00)
- MIAE 215 Programming for Mechanical, Industrial and Aerospace Engineers (3.50)
- PHYS 235 Object-Oriented Programming and Applications (3.00)
- PHYS 236 Numerical Methods in Physics with Python (3.00)
- SOCI 212 Statistics I (3.00)

2. COEN courses or INTE courses can only be taken with permission. In general, courses offered outside the Department of CSSE that contain substantial programming or computer science content may not be taken. Such courses may qualify as a General Elective only with prior written permission on a GCS Student Request form, obtainable from the Office of Student Academic Services in the Gina Cody School of Engineering and Computer Science.

3. At most, six credits of the following courses may be taken for credit towards the General Electives requirement:

- FRAN 211 French Language: Elementary (6.00)
- FRAN 212 French Language: Transitional Level (6.00)
- FRAN 215 Langue française : niveau intermédiaire II (3.00)

4. ESL courses may not be taken to fulfill the General Electives requirement.

Computer Science Elective Course Groups

Elective courses are listed in groups below to facilitate the selection of courses in a particular area of the field.

Artificial Intelligence Group: BCompSc

- COMP 425 Computer Vision (4.00)
- COMP 432 Machine Learning (4.00)
- COMP 433 Introduction to Deep Learning (4.00)
- COMP 472 Artificial Intelligence (4.00)
- COMP 473 Pattern Recognition (4.00)
- COMP 474 Intelligent Systems (4.00)
- COMP 479 Information Retrieval and Web Search (4.00)

Computer Games Group: BCompSc

- COMP 345 Advanced Program Design with C++ (4.00)
- COMP 371 Computer Graphics (4.00)
- COMP 376 Introduction to Game Development (4.00)
- COMP 438 Geometric Modelling and Processing (4.00)
- COMP 475 Immersive Technologies (4.00)
- COMP 476 Advanced Game Development (4.00)
- COMP 477 Animation for Computer Games (4.00)

Data Analytics Group: BCompSc

- COMP 333 Data Analytics (4.00)
- COMP 353 Databases (4.00)
- COMP 432 Machine Learning (4.00)
- COMP 479 Information Retrieval and Web Search (4.00)
- MAST 324 Introduction to Optimization (3.00)
- SOEN 471 Big Data Analytics (4.00)

Web Services and Applications Group: BCompSc

- COMP 353 Databases (4.00)
- COMP 445 Data Communication and Computer Networks (4.00)
- COMP 479 Information Retrieval and Web Search (4.00)

- SOEN 287 Web Programming (3.00)
- SOEN 387 Web-Based Enterprise Application Design (3.00)
- SOEN 487 Web Services and Applications (4.00)

Other Related Programs

Joint Major in Computation Arts and Computer Science

See Section 71.80 Computation Arts and Computer Science for details.

Joint Major in Data Science

See Section 71.85 Data Science for details.

Section 71.70.3 Extended Credit Program

Notes

Students admitted to an Extended Credit Program (ECP) under the provisions of Section 13.3 Admission Requirements or Section 13.8 Selection Process and Notification must successfully complete a minimum of 120 credits including the requirements below.

Degree Requirements

Extended Credit Program (120 credits)

90 credits of program requirements as set out in Section 71.70.2 Degree Requirements (BCompSc)

9 credits:

- MATH 203 Differential and Integral Calculus I (3.00)
- MATH 204 Vectors and Matrices (3.00)
- MATH 205 Differential and Integral Calculus II (3.00)

6 credits chosen from General Education Humanities and Social Sciences Electives as noted in Section 71.110 Complementary Studies for Engineering and Computer Science Students.

Note: English as a Second Language (ESL) Courses and courses that focus on the acquisition of a language may not be used to meet this requirement.

15 ECP elective credits chosen from any courses listed in the Concordia Undergraduate Calendar. Please refer to the specific ECP requirements listed below, based on the student's program of study:

a) ECP Electives: BCompSc (other than Joint Majors)

b) ECP Electives: Joint Major in Computation Arts and Computer Science

c) ECP Electives: Joint Major in Data Science

ECP Electives: BCompSc (other than Joint Majors) (15 credits)

15 elective credits chosen from outside the Gina Cody School of Engineering, and the ECP Electives Exclusion List below.

Note: Please see the Bachelor of/Baccalaureate in Computer Science (BCompSc) for program details.

ECP Electives: Joint Major in Computation Arts and Computer Science (15 credits)

15 elective credits chosen from outside the Gina Cody School of Engineering, the Department of Computer Science and Software Engineering, the Department of Design and Computation Arts, and the ECP Electives Exclusion List below.

Note: Please see the Joint Major in Computation Arts and Computer Science for program details.

ECP Electives: Joint Major in Data Science (15 credits)

15 elective credits chosen from outside the Gina Cody School of Engineering and Computer Science, the Department of Mathematics and Statistics, and the ECP Electives Exclusion List below.

Note: Please see the Joint Major in Data Science for program details.

ECP Electives Exclusion List

The following courses may not be taken for credit to fulfill the ECP Electives requirement for the BCompSc:

- BIOL 200 Fundamentals of Human Biology (3.00)
- BTM 200 Fundamentals of Information Technology (3.00)
- BTM 380 Business Application Development (3.00)
- BTM 382 Database Management (3.00)
- COMP 218 Fundamentals of Programming (3.00)
- ENGL 206 Fundamentals of Written English – Stage I (3.00)
- ENGL 207 Fundamentals of Written English – Stage II (3.00)
- ENGL 208 Introduction to English Composition and Literary Analysis (3.00)
- EXCI 202 The Body Human: Form and Function (3.00)
- EXCI 204 Food for Sport (3.00)
- EXCI 206 The Science of Sport (3.00)
- EXCI 218 Physical Growth and Maturation (3.00)
- FINA 200 Personal Finance (3.00)
- GEOG 264 Programming for Environmental Sciences (3.00)
- MATH 208 Fundamental Mathematics I (3.00)
- MATH 209 Fundamental Mathematics II (3.00)
- PHYS 235 Object-Oriented Programming and Applications (3.00)
- PHYS 236 Numerical Methods in Physics with Python (3.00)

Note: INTE courses may only be taken with permission

Note: ESL courses may not be taken for credit to fulfill the ECP Electives requirement for the BCompSc

Section 71.70.4 Honours Program

Notes

Students should refer to Section 16.2 Curriculum Regulations of the Calendar for academic regulations for the honours program. The following regulations are additional requirements for the Honours BCompSc program.

1. Applicationsto enter an honours program must be submitted to the Office of the Associate Dean (Student Academic Services) at least three months before the start of the term in which the student wishes to enter an honours program.
2. Students must complete at least 30 credits towards their degree before entering an honours program.
3. Students who are required to withdraw from an honours program may continue in the BCompSc degree provided they are in acceptable or conditional standing according to the academic regulations in Section 71.10.3 Academic Regulations.

Course Requirements for Honours Programs

Honours students must fulfill the requirements of the BCompSc Bachelor of/Baccalaureate in Computer Science. In addition, to receive an honours degree:

Students must have a final graduation GPA of at least 3.30.

Students must successfully complete the following course as one of the Computer Science electives for the BCompSc:

- COMP 490 Computer Science Project I (3.00)

Students must successfully complete at least six credits from either the list of Computer Science Electives with a course number of 400 or higher, or from COMP (Computer Science) or SOEN (Software Engineering) courses with a course number between 6000 and 6951.

Section 71.70.5 Minor in Computer Science

Degree Requirements

Minor in Computer Science (25 credits)

25 credits:

- COMP 228 System Hardware (3.00)
- COMP 232 Mathematics for Computer Science (3.00)
- COMP 248 Object-Oriented Programming I (3.50)
- COMP 249 Object-Oriented Programming II (3.50)
- COMP 352 Data Structures and Algorithms (3.00)

9 credits of Computer Science Electives

See Section 71.70.2 Degree Requirements

Notes

- Admission profile is 10.12.
- Students who require any of the above courses as part of their major should replace these courses with elective courses chosen from the list of Computer Science Electives.

Section 71.70.6 Programs Related to Computer Science

Related Programs

The Faculty of Fine Arts and the Department of Computer Science and Software Engineering offer the Joint Major in Computation Arts and Computer Science (see Section 71.80 Computation Arts and Computer Science, and Section 81.90 Department of Design and Computation Arts).

The Faculty of Arts and Science and the Department of Computer Science and Software Engineering offer the Joint Major in Data Science (see Section 71.85 Data Science, and Section 31.200 Department of Mathematics and Statistics).

Section 71.70.7 C.Edge (Career Edge) Option and Reflective Learning Courses

C.Edge Option

The C.Edge Option is administered through the Institute for Co-operative Education (see Section 24 Institute for Co-operative Education).

Students employed full-time in a computer science position during their non-study terms may have this C.Edge option listed on their official transcript and student record, provided they successfully complete the Reflective Learning course associated with this work term.

C.Edge work terms will be coded as COMP 107 and 207, and the associated Reflective Learning courses will be coded as COMP 108 and COMP 208 respectively.

Students may only register for these courses with the permission of the Faculty.

The C.Edge terms COMP 107 and 207 carry no credit value and are used to indicate that the student is on a C.Edge term.

The COMP 108 and COMP 208 C.Edge Reflective Learning courses are worth three credits and are marked on a pass/fail basis. They are above and beyond the credit requirements of the student's program and are not transferable nor are they included in the full or part-time assessment status.

Students studying for a co-op work term or CIADI term should not register for these C.Edge and Reflective Learning courses.

Section 71.70.8 Curriculum for the Degree of BEng in Software Engineering

Software Engineering Program

The Software Engineering program is built on the fundamentals of computer science, an engineering core, and a discipline core in Software Engineering to cover the engineering approach to all phases of the software process and related topics.

The curriculum builds on the traditional computer science core topics of computer mathematics, theory, programming methodology, and mainstream applications to provide the computing theory and practice which underlie the discipline. The engineering core covers basic science, professional topics, and introduces the engineering approach to problem solving. The program core in Software Engineering includes advanced programming techniques, software specification, design, architecture, as well as metrics, security, project management, and quality control. The electives cover a broad range of advanced topics, from formal methods to distributed systems.

Extended Credit Program

The requirements of the Extended Credit Program (ECP) are set out in Section 71.20.2 Alternative Entry Programs.

Section 71.70.9 Degree Requirements for the BEng in Software Engineering

Degree Requirements

Students registered in the Software Engineering program must complete a minimum of 120 credits during four years of fulltime study. The program consists of the Engineering Core, the Software Engineering Core and electives.

BEng in Software Engineering (120 credits)

27.5 credits from the Engineering Core

46.5 credits from the Software Engineering Core

27 credits from the Computer Science Group: Software Engineering

3 credits from the Engineering and Natural Science Group: Software Engineering

16 credits of Software Engineering Electives

Software Engineering Core (46.5 credits)

46.5 credits:

- SOEN 228 System Hardware (4.00)
- SOEN 287 Web Programming (3.00)
- SOEN 321 Information Systems Security (3.00)
- SOEN 331 Formal Methods for Software Engineering (3.00)
- SOEN 341 Software Process and Practices (4.00)
- SOEN 342 Software Requirements and Deployment (3.00)
- SOEN 343 Software Architecture and Design (4.00)
- SOEN 345 Software Testing, Verification and Quality Assurance (4.00)
- SOEN 357 User Interface Design (3.00)
- SOEN 363 Data Systems for Software Engineers (3.00)
- SOEN 384 Management, Measurement and Quality Control (3.00)
- SOEN 390 Software Engineering Team Design Project (3.50)
- SOEN 490 Capstone Software Engineering Design Project (6.00)

Note: Students may replace SOEN 490 with ENGR 490 if they are interested in a multidisciplinary project that requires collaboration with students from other engineering departments. In order for students to register in ENGR 490, their projects must be approved by the ENGR 490 Design Committee before the start of the fall term.

Computer Science Group: Software Engineering (27 credits)

- COMP 232 Mathematics for Computer Science (3.00)
- COMP 248 Object-Oriented Programming I (3.50)
- COMP 249 Object-Oriented Programming II (3.50)
- COMP 335 Introduction to Theoretical Computer Science (3.00)
- COMP 346 Operating Systems (4.00)
- COMP 348 Principles of Programming Languages (3.00)
- COMP 352 Data Structures and Algorithms (3.00)
- COMP 432 Machine Learning (4.00)

Engineering and Natural Science Group: Software Engineering (3 credits)

3 credits chosen from:

- ENGR 245 Mechanical Analysis (3.00)
- MIAE 221 Materials Science (3.00)

Software Engineering Electives (16 credits)

Students in the Software Engineering program must complete at least 16 elective credits from the list of courses below:

- AERO 480 Flight Control Systems (3.50)
- AERO 482 Avionic Navigation Systems (3.00)
- COEN 320 Introduction to Real-Time Systems (3.50)
- COMP 333 Data Analytics (4.00)
- COMP 339 Combinatorics (3.00)
- COMP 345 Advanced Program Design with C++ (4.00)
- COMP 371 Computer Graphics (4.00)
- COMP 376 Introduction to Game Development (4.00)
- COMP 425 Computer Vision (4.00)
- COMP 426 Multicore Programming (4.00)
- COMP 428 Parallel Programming (4.00)
- COMP 433 Introduction to Deep Learning (4.00)
- COMP 438 Geometric Modelling and Processing (4.00)
- COMP 442 Compiler Design (4.00)
- COMP 444 System Software Design (4.00)

- COMP 445 Data Communication and Computer Networks (4.00)
- COMP 451 Database Design (4.00)
- COMP 465 Design and Analysis of Algorithms (3.00)
- COMP 472 Artificial Intelligence (4.00)
- COMP 473 Pattern Recognition (4.00)
- COMP 474 Intelligent Systems (4.00)
- COMP 475 Immersive Technologies (4.00)
- COMP 476 Advanced Game Development (4.00)
- COMP 477 Animation for Computer Games (4.00)
- COMP 478 Image Processing (4.00)
- COMP 479 Information Retrieval and Web Search (4.00)
- COMP 498 Topics in Computer Science (3.00)
- COMP 499 Topics in Computer Science with Lab (4.00)
- SOEN 298 System Hardware Lab (1.00)
- SOEN 344 Advanced Software Architecture and Design (3.00)
- SOEN 387 Web-Based Enterprise Application Design (3.00)
- SOEN 422 Embedded Systems and Software (4.00)
- SOEN 423 Distributed Systems (4.00)
- SOEN 471 Big Data Analytics (4.00)
- SOEN 487 Web Services and Applications (4.00)
- SOEN 491 Software Engineering Project (1.00)
- SOEN 498 Topics in Software Engineering (3.00)
- SOEN 499 Topics in Software Engineering with Lab (4.00)
- ENGR 411 Special Technical Report (1.00)

Electives are also listed in the following groups to facilitate the selection of courses in a particular area of the field:

Artificial Intelligence Group: Software Engineering

Computer Games Group: Software Engineering

Data Engineering Group: Software Engineering

Real-Time, Embedded, and Avionics Software Group: Software Engineering

Web Services and Applications Group: Software Engineering

Software Engineering Elective Course Groups

Artificial Intelligence Group: Software Engineering

- COMP 425 Computer Vision (4.00)
- COMP 433 Introduction to Deep Learning (4.00)
- COMP 472 Artificial Intelligence (4.00)
- COMP 473 Pattern Recognition (4.00)
- COMP 474 Intelligent Systems (4.00)
- COMP 479 Information Retrieval and Web Search (4.00)

Computer Games Group: Software Engineering

- COMP 345 Advanced Program Design with C++ (4.00)
- COMP 371 Computer Graphics (4.00)
- COMP 376 Introduction to Game Development (4.00)
- COMP 438 Geometric Modelling and Processing (4.00)
- COMP 475 Immersive Technologies (4.00)
- COMP 476 Advanced Game Development (4.00)
- COMP 477 Animation for Computer Games (4.00)

Data Engineering Group: Software Engineering

- COMP 333 Data Analytics (4.00)
- COMP 479 Information Retrieval and Web Search (4.00)
- SOEN 471 Big Data Analytics (4.00)

Real-Time, Embedded, and Avionics Software Group: Software Engineering

- AERO 480 Flight Control Systems (3.50)
- AERO 482 Avionic Navigation Systems (3.00)
- COEN 320 Introduction to Real-Time Systems (3.50)
- COMP 345 Advanced Program Design with C++ (4.00)
- SOEN 422 Embedded Systems and Software (4.00)
- SOEN 423 Distributed Systems (4.00)
- COMP 444 System Software Design (4.00)

Web Services and Applications Group: Software Engineering

- COMP 445 Data Communication and Computer Networks (4.00)
- COMP 479 Information Retrieval and Web Search (4.00)
- SOEN 387 Web-Based Enterprise Application Design (3.00)
- SOEN 487 Web Services and Applications (4.00)

Section 71.70.10 Computer Science and Software Engineering Courses

Quick Links

Computer Science Courses

Software Engineering Courses

Computer Science Courses

Notes

- Students from outside the Gina Cody School of Engineering and Computer Science who are not registered in a Computer Science program may not take more than five COMP courses numbered higher than 212.
- Students from outside the Gina Cody School of Engineering and Computer Science who are registered for the Minor in Computer Science may not take more than 30 credits of COMP courses numbered higher than 212.

COMP 108 Computer Science C.Edge Option Reflective Learning I (3 credits)

Prerequisite/Corequisite:

Permission of the GCS is required.

Description:

This course is a reflective learning module for students in their related field which is based on their academic requirements and their first C.Edge term.

Component(s):

"Lecture"

COMP 208 Computer Science C.Edge Option Reflective Learning II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 108. Permission of the GCS is required.

Description:

This course expands on the students' second C.Edge term in their related field of study to further develop their knowledge and work-related skills.

Component(s):

"Lecture"

COMP 218 Fundamentals of Programming (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 201 or equivalent. No prior experience with computers is assumed.

Description:

Computers and computing: problem solving with computers, basic data types, expressions, assignments, control structures, simple library functions, programmer-defined functions, arrays of basic types. Basic elements of object-oriented programming: classes, objects and methods.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- This course may not be taken for credit in the regular undergraduate programs in the Gina Cody School of Engineering and Computer Science.
- Students who have received credit for COMP 248 or COEN 243 may not take this course for credit.

COMP 228 System Hardware (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 248. The following courses must be completed previously or concurrently: MATH 203 or Cegep Mathematics 103 or NYA; MATH 204 or Cegep Mathematics 105 or NYC.

Description:

Levels of system abstraction and von Neumann model. Basics of digital logic design. Data representation and manipulation. Instruction set architecture. Processor internals. Assembly language programming. Memory subsystem and cache management. I/O subsystem. Introduction to network organization and architecture.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

Notes:

- Students who have received credit for SOEN 228 may not take this course for credit.

COMP 232 Mathematics for Computer Science (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 203 or Cegep Mathematics 103 or NYA; MATH 204 or Cegep Mathematics 105 or NYC.

Description:

Sets. Propositional logic and predicate calculus. Functions and relations. Elements of number theory. Mathematical reasoning. Proof techniques: direct proof, indirect proof, proof by contradiction, proof by induction.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

Notes:

- Students who have received credit for COMP 238 or COEN 231 may not take this course for credit.

COMP 233 Probability and Statistics for Computer Science (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MATH 205 or Cegep Mathematics 203 or NYB.

Description:

Combinatorics. Axioms of probability. Conditional probability. Discrete and continuous probability distributions. Expectation and moments. Hypothesis testing. Parameter estimation. Correlation and linear regression. Applications to computer science.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

Notes:

- Students who have received credit for BIOL 322, ENGR 371, STAT 249, STAT 250, COMM 215, MAST 221, MAST 333 may not take this course for credit.

COMP 248 Object-Oriented Programming I (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: MATH 204 or Cegep Mathematics 105 or NYC.

Description:

Introduction to programming. Basic data types, variables, expressions, assignments, control flow. Classes, objects, methods. Information hiding, public vs. private visibility, data abstraction and encapsulation. References. Arrays.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 1 hour per week

COMP 249 Object-Oriented Programming II (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 248; MATH 203 or Cegep Mathematics 103 or NYA. The following courses must be completed previously or concurrently: MATH 205 or Cegep Mathematics 203 or NYB.

Description:

This course provides a comprehensive introduction to object-oriented programming (OOP), focusing on the design, efficiency, and implementation of software using OOP principles. Key topics include inheritance, polymorphism, exception handling, recursion, and dynamic data structures such as linked lists and array lists. Students explore collections and

generics, learning how to develop flexible and reusable code. Through hands-on programming assignments and projects, students gain experience in designing modular, maintainable, and scalable software solutions.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 1.5 hours per week

COMP 326 Computer Architecture (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 346.

Description:

Computer architecture models: control-flow and data-flow. Concurrency and locality, data dependency theory. Instruction level parallelism. Instruction scheduling. Pipelined processors. Vector processors. Thread level parallelism. Multiprocessors. Shared memory models. Coherence protocols. Interconnection networks. Performance issues. Advanced topics in contemporary computer architectures.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

COMP 333 Data Analytics (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 233 or ENGR 371; COMP 352; ENCS 282.

Description:

This course introduces the process of data analytics with the aid of examples from several disciplines. It covers data wrangling: extract-transform-load (ETL), cleaning, structuring, integration; data analytics activities: description, prescription, modelling, simulation, optimization, storytelling; and the Python ecosystem: language, libraries, and Jupyter environment.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 335 Introduction to Theoretical Computer Science (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 232 or COEN 231; and COMP 249 or COEN 244.

Description:

This course covers the following topics: finite state automata and regular languages; push-down automata and context-free languages; pumping lemmas; applications to parsing; Turing machines; undecidability and decidability.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

COMP 339 Combinatorics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 232; or students must complete have completed 18 credits in postCegep Mathematics prior to enrolling.

Description:

General principles of counting, permutations, combinations, identities, partitions, generating functions, Fibonacci numbers, Stirling numbers, Catalan numbers, principle of inclusion-exclusion. Graphs, subgraphs, isomorphism, Euler graphs, Hamilton paths and cycles, planar graphs, Kuratowski's Theorem, trees, colouring, 5-colour theorem, matching, Hall's theorem.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students who have received credit for MATH 339 may not take this course for credit.

COMP 345 Advanced Program Design with C++ (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMP 352.

Description:

Introduction to C++. I/O with stream classes. Pointers and their uses. The Standard Template Library (STL): containers, algorithms, iterators, adaptors, function objects. Class design: constructors, destructors, operator overloading, inheritance, virtual functions, exception handling, memory management. Advanced topics: libraries, locales, STL conventions, concurrency, template metaprogramming. Applications of C++: systems, engineering, games programming. Project.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

COMP 346 Operating Systems (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 228 or SOEN 228; COMP 352.

Description:

Fundamentals of operating system functionalities, design and implementation. Multiprogramming: processes and threads, context switching, queuing models and scheduling. Interprocess communication and synchronization. Principles of concurrency. Synchronization primitives. Deadlock detection and recovery, prevention and avoidance schemes. Memory management. Device management. File systems. Protection models and schemes.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

Notes:

- Students who have received credit for COEN 346 may not take this course for credit.

COMP 348 Principles of Programming Languages (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 249.

Description:

The course discusses the design, efficiency, and implementation of programming languages. A comparison of common high-level programming paradigms, including both imperative and functional approaches, is provided. Core language features such as binding, visibility, and scope are evaluated across a set of current and historical languages. In addition, statically constrained typing and memory management models are compared to dynamic run-time alternatives, with an emphasis on the trade-offs between flexibility and performance.

Component(s):

"Lecture" 2 hours per week; "Tutorial" 1 hour per week

COMP 352 Data Structures and Algorithms (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMP 232. The following course must be completed previously: COMP 249.

Description:

Abstract data types: stacks and queues, trees, priority queues, dictionaries. Data structures: arrays, linked lists, heaps, hash tables, search trees. Design and analysis of algorithms: asymptotic notation, recursive algorithms, searching and sorting, tree traversal, graph algorithms.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- Students who have received credit for COEN 352 may not take this course for credit.

COMP 353 Databases (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 232 or COEN 231; and COMP 352 or COEN 352.

Description:

This course introduces database design, applications, and aspects of database management systems. It covers conceptual database design using the entity-relationship model. Students are introduced to the relational data model, relational algebra, as well as the SQL language, and their applications. Furthermore,the course covers the development of database applications. Students also learn about other data models, including Datalog and Object-oriented. A project is required.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

Notes:

- Students in the BEng in Software Engineering program may not take this course for credit.
- Students who have received credit for SOEN 363 may not take this course for credit.

COMP 354 Introduction to Software Engineering (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 352; ENCS 282.

Description:

Software development process models (e.g. linear vs. iterative). Project management; roles, activities and deliverables for each software life cycle phase. Requirements management: analysis, elicitation, and scope. Architecture, design and the mapping of requirements to design and design to implementation. Traceability. Software quality assurance: verification, validation and the role of testing. Maintenance and evolution. Project.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hour per week

Notes:

- Students who have received credit for SOEN 341 may not take this course for credit. Students in the BEng in Software Engineering program may not take this course for credit.

COMP 361 Elementary Numerical Methods (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 232, COMP 249.

Description:

Vector and matrix norms. Numerical methods for solving linear systems, Gaussian elimination, LU decomposition, error analysis. Numerical solution of nonlinear equations, Newton's method, fixed point iterations. Interpolation and approximation, Taylor, Lagrange, Chebyshev and Legendre polynomials. Cubic spline interpolation. Numerical differentiation, numerical integration, Gauss quadrature. Discrete least-squares approximation. Initial value problems in ordinary differential equations, stiff differential equations. Boundary value problems in ordinary differential equations.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- Students who have received credit for ENGR 391 or MAST 334 may not take this course for credit.

COMP 367 Techniques in Symbolic Computation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 222 or COMP 232 or equivalent; COMP 248 or equivalent.

Description:

This course is an application-oriented introduction to algebraic methods involved in symbolic computation, as it applies to number theory and modular algebra, and covering the following topics: numbers, primes, modular arithmetic, Diophantine equations; congruence classes and applications, finite fields and rings; Fermat's and Euler's theorems; Chinese Remainder theorem and applications; polynomial congruences and rings. Applications to: error-correcting codes (Humming codes), Hill Cryptosystem, public key encryption schemes, polynomial factorization, polynomial interpolation. A symbolic computation system (e.g. MAPLE), is used as a computational tool and a platform for writing all assignments and tests but not as an object of study itself.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MAST 332 may not take this course for credit.

COMP 371 Computer Graphics (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 232 or COEN 231; COMP 352 or COEN 352.

Description:

This course covers the following topics: introduction to computer graphics and graphics hardware; introduction to graphics API and graphics systems architecture; mathematics of 2D and 3D transformations and 2D and 3D viewing; colour and basic rendering algorithms; visual realism and visibility; illumination and shading and global illumination techniques and textures; introduction to curves and surfaces and 3D object modelling; introduction to computer animation. This course includes a project.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

COMP 376 Introduction to Game Development (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 371.

Description:

This course introduces students to design and implementation aspects of computer gaming, including topics such as game technologies, basic game design, programming, applied mathematics, storytelling and narratives, and game genres. The

course covers virtual environments, 2D and 3D game engines, and game development tools. Furthermore, students learn about character development, gameplay strategies, level design in games, and user interfaces. Other topics covered in the course include architecture of game consoles, analog and digital controllers, and the incorporation of graphics, sound, and music in game implementations. During the course, the students develop 2D and 3D games. A project is required.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

Notes:

- Students who have received credit for CART 315 may not take this course for credit.

COMP 425 Computer Vision (4 credits)

Description:

This course introduces basic techniques and concepts in computer vision including image formation, grouping and fitting, geometric vision, recognition, perceptual organization, and the state-of-the-art software tools. Students learn fundamental algorithms and techniques, and gain experience in programming vision-based components. A project is required.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 426 Multicore Programming (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 346 or COEN 346.

Description:

Fundamental concepts of computer architecture. Architecture of the selected multicore platform. Review of shared-memory parallel programming. The difficulties inherent to parallel programming. Scalability of programming models. The stream programming model for multicore. Implicit and explicit threading. Implicit and explicit orchestration of data movement, both on chip and off. Adapting standard algorithms to multicore. Critical assessment of the available system-software support. Project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 428 Parallel Programming (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 346 or COEN 346.

Description:

Parallel programming techniques as a natural extension to sequential programming. Overview of parallel programming architectures and models. Parallel programming issues: locality, granularity, scheduling, data decomposition and distribution,

load balancing, communication and synchronization, determinacy and non-determinacy, cost and performance. Techniques and tools for message-passing parallel programming. Case studies. Project.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

COMP 432 Machine Learning (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 352.

Description:

This course introduces conceptual and practical aspects of machine learning. Concepts include regression, classification, maximum likelihood estimation, discriminative vs. generative modelling, generalization, supervised learning, unsupervised learning, semi-supervised learning and transfer learning. Methods include linear models, mixture models, nearest neighbours, support vector machines, random forests, boosting, and basics of deep learning. A project is required.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 433 Introduction to Deep Learning (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 352.

Description:

This course introduces conceptual and practical aspects of deep learning and their implementation in software. Topics covered include commonly used deep learning model architectures, loss functions, regularization, optimization methods, and a strong emphasis is placed on review of their foundations and use of software tools such as pytorch, jax, and tensorflow to implement and/or apply these models. Applications in computer vision and natural language processing are covered. A final project is required.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 438 Geometric Modelling and Processing (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 352.

Description:

This course exposes students to the geometric modelling pipeline. It includes topics such as efficient mesh data structures such as half-edge and cornertable, digital differential geometry, spectral mesh processing, discrete modelling tools and analytic modelling tools (B-Splines, Bezier and subdivision surfaces), optimization-driven modelling and simulation, 3D

shape acquisition, 3D printing and prototyping. Application-related topics are discussed such as smoothing, resampling, compression, as well as deep neural network architectures for geometric data and modelling problems. A project is required.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 442 Compiler Design (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 228 or SOEN 228 or COEN 311; COMP 335; COMP 352 or COEN 352.

Description:

Compiler organization and implementation: lexical analysis and parsing, syntax-directed translation, code optimization. Run-time systems. Project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 444 System Software Design (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 346.

Description:

Detailed examination of the design, implementation and system call interface of a contemporary operating system: its kernel, file system, process and thread management including scheduling, file system design and implementation, memory management, device management, I/O management, interprocess communication and synchronization mechanisms, system call interface, interrupt handling, and other advanced issues. Project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 445 Data Communication and Computer Networks (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 346.

Description:

This course introduces the fundamentals of networking protocols and communication technologies. Topics covered include network architectures and service models, principles behind the design of protocol stacks, local and wide area networks, and the Internet. The course also covers a review of the foundations and performance of application layer protocols, reliable delivery mechanisms, congestion and flow control, control and data planes, routing and switching, error detection and correction, and multiple access protocols. The course includes an introduction towireless networking and security.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

COMP 451 Database Design (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 353.

Description:

Storage management. Buffer management. Data organization. Index structures. Query optimization and execution. Transaction management. Recovery. Concurrency control. Database performance analysis and tuning. New trends in database technology. Project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 465 Design and Analysis of Algorithms (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 232 or COEN 231; COMP 339; COMP 352 or COEN 352.

Description:

Order statistics: worst-case, average-case and amortized analysis. Algorithm design techniques: greedy algorithms, dynamic programming. Selected algorithms from graph theory, linear programming, number theory, string matching, and computational geometry. A survey of hard problems, NP-completeness, and approximation algorithms.

Component(s):

"Lecture" 3 hours per week

COMP 472 Artificial Intelligence (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 352 or COEN 352.

Description:

This course initially describes the scope and history of Artificial Intelligence. Then it covers knowledge representation, heuristic search, game playing and planning. Finally, it introduces the topics of machine learning, genetic algorithms and natural language processing. A project is required.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 473 Pattern Recognition (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 352.

Description:

Preprocessing. Feature extraction and selection. Similarity between patterns and distance measurements. Syntactic and statistical approaches. Clustering analysis. Bayesian decision theory and discriminant functions. Neural networks and machine learning. Applications. Project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 474 Intelligent Systems (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 352 or COEN 352.

Description:

Rule-based expert systems, blackboard architecture, and agent-based. Knowledge acquisition and representation. Uncertainty and conflict resolution. Reasoning and explanation. Design of intelligent systems. Project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 475 Immersive Technologies (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 371.

Description:

This course covers the fundamentals of immersive technologies, a brief history and overview of immersive technologies, analyzes case studies of interactive experiences using immersive technologies, and identifies the main challenges of the current state of the art. Furthermore, it covers the basic principles of 3D graphics for creating virtual assets and environments, and basic concepts and technologies for interaction. A project provides hands-on experience in the design and development of interactive experiences with the user of immersive technologies.

Component(s):

"Lecture" 3 hours per week

COMP 476 Advanced Game Development (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 361 or ENGR 391; COMP 376.

Description:

Introduction to advanced aspects of computer games. Game engine design. Artificial Intelligence (AI): non-player character movement, coordinated movement, pathfinding, world representations; decision making; tactical AI, strategic AI, learning in games. Physics-based techniques: collision detection and response. Networked gaming: multi-player games, networking and distributed game design, mobile gaming. Improving realism: cut scenes, 3D sound. Project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 477 Animation for Computer Games (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 361 or ENGR 391, COMP 371.

Description:

Introduction to the algorithms, data structures, and techniques used in modelling and rendering dynamic scenes. Topics include principles of traditional animation, production pipeline, animation hardware and software, orientation representation and interpolation, modelling physical and articulated objects, forward and inverse kinematics, motion control and capture, key-frame, procedural, and behavioural animation, camera animation, scripting system, and free-form deformation. Project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 478 Image Processing (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 352.

Description:

Digital image fundamentals, image transforms (Fourier, Walsh, Haar, Hotelling, wavelet), image enhancement (histogram processing, spatial filtering, high- and low-pass filtering), image restoration, image compression (elements of information theory, image compression models, error-free compression, lossy compression, image compression standards), image segmentation (line detection, Hough transform, edge detection and linking, thresholding, region splitting and merging), representation and description (chain codes, signatures, skeletons, shape descriptors, moments, texture). Project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 479 Information Retrieval and Web Search (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 233 or ENGR 371; COMP 352.

Description:

Basics of information retrieval (IR): boolean, vector space and probabilistic models. Tokenization and creation of inverted files. Weighting schemes. Evaluation of IR systems: precision, recall, F-measure. Relevance feedback and query expansion.

Application of IR to web search engines: XML, link analysis, PageRank algorithm. Text categorization and clustering techniques as used in spam filtering. Project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

COMP 490 Computer Science Project I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENCS 282. Students must complete 60 credits prior to enrolling. Permission of the Department is required.

Description:

Students work on a computer science project under the supervision of a faculty member and submit a suitable written report on the work carried out.

Component(s):

"Lecture"

Notes:

- Students can register for COMP 490 by itself or, with the permission of the Department, students can register for COMP 490 and COMP 492 concurrently and carry out a major project.

COMP 492 Computer Science Project II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMP 490. Permission of the Department is required.

Description:

Students work on a computer science project under the supervision of a faculty member and submit a suitable written report on the work carried out.

Component(s):

"Lecture"

Notes:

- Students can register for COMP 492 by itself or, with the permission of the Department, students can register for COMP 490 and COMP 492 concurrently and carry out a major project.

COMP 493 Computational Biology Team Project (6 credits)

(also listed as BIOL 493)

Prerequisite/Corequisite:

The following courses must be completed previously: BIOL 367; COMP 352. Students must complete a minimum of 54 credits in the BCompSc in Health and Life Sciences program prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Students form teams or join existing teams (such as those in research labs) and work under faculty supervision to solve a computational biology research problem or to carry out a computational biology research project. The research problem or project involves the utilization of knowledge of biology and of computing, involves computing lab and/or wet lab practice and contributes to any of the areas of computational biology. The project fosters teamwork and allows students to develop their project management, technical writing and oral presentation skills.

Component(s):

"Research"

Notes:

- Students who have received credit for BIOL 493 may not take this course for credit.

COMP 495 Honours Seminar (1 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ENCS 282. Registration in the final year of the honours program is required.

Description:

Students are required to attend a number of departmental seminars and submit a written report on them.

Component(s):

"Seminar"

COMP 498 Topics in Computer Science (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course may be offered in a given year upon the authorization of the Department. The content may vary from offering to offering and will be chosen to complement the available elective courses.

Component(s):

"Lecture" 3 hours per week

COMP 499 Topics in Computer Science with Lab (4 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

The content may vary from offering to offering and will be chosen to complement the available elective courses.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

Software Engineering Courses

SOEN 228 System Hardware (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MATH 203 or Cegep Mathematics 103, MATH 204 or Cegep Mathematics 105.

Description:

This course covers the following topics: Boolean Algebra, Digital logic and the design of logic circuits; CPU design; addressing modes; instruction sets and sequencing; design of datapath and control units; memory systems and types; cache memory levels; I/O devices and their interconnection to the CPU; assembly language, and Interrupts.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week; "Laboratory" 2 hours per week

Notes:

- Students who have received credit for COMP 228 may not take this course for credit.

SOEN 287 Web Programming (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 248.

Description:

This course covers the following topics: internet architecture and protocols; web applications through clients and servers; modern HTML and CSS; client-side programming using modern JavaScript and an overview of the advantages of some common modern JavaScript libraries; Regular Expressions; static website contents and dynamic page generation through server-side programming; preserving state (client-side) in web applications; deploying static and dynamic websites and content management systems vs. website deployment.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

SOEN 298 System Hardware Lab (1 credits)

Prerequisite/Corequisite:

Permission of the undergraduate program director is required.

Description:

Digital design exercises including assembly and testing corresponding to the SOEN 228 lab.

Component(s):

"Laboratory" 2 hours per week

SOEN 321 Information Systems Security (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 346 or COEN 346.

Description:

This course covers the following topics: introduction to cryptography and cryptanalysis; threats, attacks, and vulnerabilities; security services (confidentiality, authentication, integrity); public key systems including Diffie-Hellman, RSA, Rabin; Digital Signature Schemes; Hash functions and MAC schemes; authentication protocols; network layers and security; protocols; Public Key Infrastructure (PKI); Transport Layer Security (TLS); firewalls; Intrusion Detection Systems; DNS security; Denial of Service Attacks; Penetration testing; Online Privacy and anonymity; Mix networks and Onion Routing; TOR; Malware; Botnets; Spam and Hot topics in Security and Privacy.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

SOEN 331 Formal Methods for Software Engineering (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COMP 232, COMP 249.

Description:

This course covers the following topics: property-based (axiomatic and algebraic) formalisms and model-based (abstract and visual) formalisms; axiomatic formalisms with temporal logic, assertions and contracts; algebraic formalisms through algebraic specifications; abstract formalisms through the Z and Object-Z specification languages; visual formalisms through automata (finite state machines and extended finite state machines).

Component(s):

"Lecture" 3 hours per week; "Tutorial" 2 hours per week

SOEN 341 Software Process and Practices (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: COMP 352 or COEN 352; ENCS 282.

Description:

This course covers the following topics: basic principles of software engineering; introduction to software process, including activities, phases, organization, roles, teamwork, and conflict resolution; notations used in software engineering; software development practices, including documentation, modern version control, review, testing, agile, and continuous integration.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

Notes:

- Students in the BCompSc program may not take this course for credit.
- Students who have received credit for COMP 354 may not take this course for credit.

SOEN 342 Software Requirements and Deployment (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOEN 341.

Description:

This course covers the following topics: requirements engineering; eliciting and coping with changing and evolving requirements; deployment of a software system under real-life functional and non-functional requirements scenarios; understanding how requirements impact early-stage and deployed software systems through all phases of engineering, including design, implementation, test and verification, deployment, and evolution. A project is required.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

SOEN 343 Software Architecture and Design (4 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: SOEN 341; SOEN 342.

Description:

This course covers the following topics: from requirements to design to implementation; planned vs. evolutionary design and refactoring; model-driven design and Unified Modelling Language (UML); structural and behavioural design descriptions and specifications; general and domain-specific design principles, patterns and idioms; introduction to software architecture (styles and view models); design quality; architectural debt; design smells; refactoring Anti-Patterns to Patterns; design rationale.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

SOEN 344 Advanced Software Architecture and Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOEN 343.

Description:

This course covers the following topics: architectural activities, roles, and deliverables; architectural view models; architectural styles (including client-server, layered, pipes-and-filters, event-based, process control) and frameworks; architectural analysis and the interplay with requirements elicitation; notations for expressing architectural designs, structural and behavioural specifications; from architectural design to detailed design; domain specific architectures and design patterns; evaluation and performance estimation of designs; advanced object-oriented design patterns and idioms.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

SOEN 345 Software Testing, Verification and Quality Assurance (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SOEN 343.

Description:

This course explores a range of essential testing and development practices, including unit testing, test-driven development, and legacy system testing. Students learn about mocking, dependency injection, and strategies for breaking system dependencies. The course also covers integration and system testing, along with test planning and management, including test prioritization and handling flaky tests. Advanced topics such as static analysis, bisection, fuzzing, and verification are introduced. Additionally, the course delves into continuous integration, continuous delivery, and DevOps testing, with a focus on practices like A/B testing.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

SOEN 357 User Interface Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOEN 341 or COMP 354.

Description:

This course covers the following topics: principles, standards and guidelines for user interface design; usability principles and user experience; standards and design rationale for user-centred design; task-centred design; rationalized design; usability engineering; user models; interface design process, including interface requirement gathering, conceptual design and prototyping, and evaluation; usability testing and analytic evaluation; data gathering and analysis techniques for qualitative and quantitative data; interface design documentation; design approaches for touch, gesture-based, and haptic interfaces.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

SOEN 363 Data Systems for Software Engineers (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 352.

Description:

This course covers the following topics: introduction to the current data ecosystem; relational databases; key-value databases; document databases; column databases; graph databases; RDF stores; parallel and distributed file systems, data processing engines; data stream analytics; and data infrastructure.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

Notes:

- Students who have received credit for COMP 353 may not take this course for credit.

SOEN 384 Management, Measurement and Quality Control (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENCS 282; SOEN 341.

Description:

Organization of large software development. Roles of team members, leaders, managers, stakeholders, and users. Tools for monitoring and controlling a schedule. Financial, organizational, human, and computational resources allocation and control. Project and quality reviews, inspections, and walkthroughs. Risk management. Communication and collaboration. Cause and effects of project failure. Project management via the Internet. Quality assurance and control.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

SOEN 385 Control Systems and Applications (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 213, ENGR 233.

Description:

Mathematical modelling of dynamical systems; block diagrams; feedback; open and closed loops. Linear differential equations; time domain analysis; free, forced, and total response; steady state and transient response. Laplace transform and inverse transform; second order systems. Transfer functions and stability. Control system design: PID and root locus techniques. Computer simulation of control systems. Applications.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

SOEN 387 Web-Based Enterprise Application Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: COMP 353 or SOEN 363. The following courses must be completed previously: COMP 354 or SOEN 341; SOEN 287.

Description:

This course introduces Hypertext Transfer Protocol (HTTP), and client/server and layered architectures for Web-based Enterprise Applications (WEA). The course covers Application, Presentation, Domain and Data Source design patterns. Students learn how to use Java servlets and Java Server Pages. The course also covers authentication, security and transaction processing, as well as system-level testing of web applications.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week

SOEN 390 Software Engineering Team Design Project (3.5 credits)

Prerequisite/Corequisite:

The following courses must be completed previously or concurrently: SOEN 345 and SOEN 357.

Description:

Students work in teams to design and implement a software project from requirements provided by the coordinator. Each team will demonstrate the software and the testing of the software, and prepare adequate documentation for it. In addition, each team will generate a report based on the process of development.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 3 hours per week

SOEN 422 Embedded Systems and Software (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 346.

Description:

This course covers the following topics: embedded computer system architectures; programming of interface and peripheral control registers; analog to digital conversion and motor control using pulse width modulation; interrupts, communication methods and their application to interface control and multi-computer systems; architecture and operating systems of advanced embedded designs; design and testing of integrated systems; advanced topics.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

Notes:

- Students who have received credit for COEN 421 may not take this course for credit.

SOEN 423 Distributed Systems (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 346.

Description:

This course covers the following topics: principles of distributed computing including scalability, transparency, concurrency, consistency, fault tolerance, high availability; client-server interaction technologies including interprocess communication, sockets, group communication, remote procedure call, remote method invocation, object request broker, web services; server design techniques including process replication, fault tolerance through passive replication, high availability through active replication, coordination and agreement, transactions and concurrency control.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

SOEN 471 Big Data Analytics (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COMP 352.

Description:

This course focuses on the fundamentals of the big data terminology, concepts and technologies. For the technical aspects of big data management systems, the course focuses on big data engines, programming models and file systems. Specific techniques covered include supervised classification, recommender systems, data clustering, frequent itemsets mining, similarity search, data streams and graph analysis. A project provides extensive hands-on experience.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

SOEN 487 Web Services and Applications (4 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOEN 387.

Description:

This course covers the following topics: analysis and design of web services and applications; advanced architectures for the design, deployment, and testing of large multi-server web services and applications; Service Oriented Architecture (SOA); Electronic Commerce; security; load balancing; stress testing.

Component(s):

"Lecture" 3 hours per week; "Tutorial" 1 hour per week; "Laboratory" 2 hours per week

SOEN 490 Capstone Software Engineering Design Project (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SOEN 390. Students must have completed 75 credits in the program prior to enrolling.

Description:

Students work in teams of at least four members to construct a significant software application. The class meets at regular intervals. Team members will give a presentation of their contribution to the project.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

SOEN 491 Software Engineering Project (1 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SOEN 490.

Description:

A theoretical or practical project in an advanced topic in software engineering is completed in this course.

SOEN 498 Topics in Software Engineering (3 credits)

Prerequisite/Corequisite:

Permission of the undergraduate program director is required.

Description:

This course may be offered in a given year upon the authorization of the Department. The content may vary from offering to offering and will be chosen to complement the available elective courses.

Component(s):

"Lecture" 3 hours per week.

SOEN 499 Topics in Software Engineering with Lab (4 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This course may be offered in a given year upon the authorization of the Department. The content may vary from offering to offering and will be chosen to complement the available elective courses.

Component(s):

"Lecture" 3 hours per week; "Laboratory" 2 hours per week

Section 71.75 Computer Science in Health and Life Sciences

Computer Science in Health and Life Sciences

Section 71.75.1 Curriculum for the Degree of BCompSc in Health and Life Sciences

Computer Science in Health and Life Sciences

Objectives

The Bachelor of/Baccalaureate in Computer Science in Health and Life Sciences is offered in collaboration with the Department of Biology and shares a number of courses with the BSc Honours in Systems and Information Biology and Specialization in Systems and Information Biology.

The detailed description of the BCompSc program can be found in this section and the detailed description of the Biology programs can be found in Section 31.030 Department of Biology.

The BCompSc in Health and Life Sciences provides students with the unique mix of interdisciplinary knowledge and skills needed to work at the boundary of computing and health and life sciences. Research and development in this field often spans biochemistry and biology as well as computing and engineering. It is essential that students gain sufficient knowledge of the theory, application and language of all the relevant fields to be able to work in interdisciplinary teams to investigate scientific and technical questions, solve problems, use and develop tools and techniques, and communicate effectively. Drawing from students with different backgrounds but with aptitudes for both biology and computing, this interdisciplinary program focuses on scholarship that extends beyond traditional boundaries and prepares the graduates to work in the diverse fields of health and life sciences.

Section 71.75.1 Curriculum for the Degree of BCompSc in Health and Life Sciences

Computer Science in Health and Life Sciences Program

The BCompSc in Health and Life Sciences prepares students to explore and decipher the complexity and interdependency within biological systems; provides students with an understanding of techniques from computer science, mathematics, statistics and modelling; and develops students' skills in efficiently generating information and knowledge by optimal use of data analytics, while maintaining a rigorous training in empirical and experimental approaches.

Section 71.75.2 Degree Requirements

The BCompSc in Health and Life Sciences constitutes a 90-credit program that consists of courses in the following groups: Computer Science Core, Health and Life Sciences Complementary Core, Health and Life Sciences Core, Health and Life Sciences Electives, Mathematics Electives: BCompSc and General Electives: BCompSc.

BCompSc in Health and Life Sciences (90 credits)

33 credits from the Computer Science Core

24 credits from the Health and Life Sciences Core

6 credits from the Health and Life Sciences Complementary Core

12 credits from Health and Life Sciences Electives

6 credits chosen from the Mathematics Electives: BCompSc list

9 credits of General Electives: BCompSc (see Section 71.70.2 Degree Requirements)

Health and Life Sciences Core (24 credits)

- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 266 Cell Biology (3.00)
- BIOL 367 Molecular Biology (3.00)
- BIOL 479 Computational Biology (3.00)
- BIOL 481 Genome Structure (3.00)
- CHEM 212 Analytical Chemistry for Biology and Environmental and Sustainability Science (3.00)
- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHEM 271 Biochemistry I (3.00)

Health and Life Sciences Complementary Core (6 credits)

- ENCS 282 Technical Writing and Communication (3.00)
- ENCS 333 Research Methods, Ethics, Law and Regulation for Computational Biology (3.00)

Health and Life Sciences Electives (12 credits)

12 credits chosen from:

- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 364 Cell Physiology (3.00)
- BIOL 368 Genetics and Cell Biology Laboratory (3.00)
- BIOL 422 Advanced Statistics for Biological Sciences (3.00)
- BIOL 461 Advanced Genetics (3.00)
- BIOL 466 Advanced Techniques in Molecular Biology (3.00)
- BIOL 475 Biological Computing and Synthetic Biology (3.00)
- BIOL 480 Bioinformatics (3.00)
- BIOL 482 Functional Genomics (3.00)
- BIOL 484 Industrial and Environmental Biotechnology (3.00)
- BIOL 485 Agriculture and Agri-Food Biotechnology (3.00)
- BIOL 486 High-throughput Instrumentation (3.00)
- COEN 432 Applied Machine Learning and Evolutionary Algorithms (3.00)
- COEN 433 Biological Computing and Synthetic Biology (3.00)
- COEN 434 Microfluidic Devices for Synthetic Biology (3.00)
- COMP 339 Combinatorics (3.00)
- COMP 353 Databases (4.00)
- COMP 361 Elementary Numerical Methods (3.00)
- COMP 465 Design and Analysis of Algorithms (3.00)
- COMP 472 Artificial Intelligence (4.00)
- COMP 478 Image Processing (4.00)
- COMP 479 Information Retrieval and Web Search (4.00)
- COMP 493 Computational Biology Team Project (6.00)
- ENGR 213 Applied Ordinary Differential Equations (3.00)
- ENGR 411 Special Technical Report (1.00)
- SOEN 287 Web Programming (3.00)

- SOEN 387 Web-Based Enterprise Application Design (3.00)

Note: Electives may also be taken from amongst 300level and 400level courses in BIOL, COEN, COMP, SOEN with permission of the Department.

Note: Students missing one credit of the 90 credits to graduate may take ENGR 411 Special Technical Report (1 credit).

Section 71.75.3 Extended Credit Program

Extended Credit Program: Health and Life Sciences (120 credits)

Students admitted to an Extended Credit Program (ECP) under the provisions of Section 13.3 Admission Requirements or Section 13.8 Selection Process and Notification must successfully complete a minimum of 120 credits including:

90 credits of program requirements as set out in Section 71.75.2 Degree Requirements

9 credits:

- MATH 203 Differential and Integral Calculus I (3.00)
- MATH 204 Vectors and Matrices (3.00)
- MATH 205 Differential and Integral Calculus II (3.00)

12 credits:

- PHYS 204 Mechanics (3.00)
- PHYS 205 Electricity and Magnetism (3.00)
- PHYS 206 Waves and Modern Physics (3.00)
- PHYS 224 Introductory Experimental Mechanics (1.00)
- PHYS 225 Introductory Experimental Electricity (1.00)
- PHYS 226 Introductory Experimental Waves and Modern Physics (1.00)

6 credits:

- CHEM 205 General Chemistry I (3.00)
- CHEM 206 General Chemistry II (3.00)

3 credits:

- BIOL 201 Introductory Biology (3.00)

Section 71.75.4 Honours Program

Notes

Students should refer to Section 16.2 Curriculum Regulations of the Calendar for academic regulations for the honours program. The following regulations are additional requirements for the Honours BCompSc in Health and Life Sciences.

1. Applications to enter an honours program must be submitted to the Office of the Associate Dean (Student Academic Services) at least three months before the start of the term in which the student wishes to enter an honours program.
2. Students must complete at least 30 credits towards their degree before entering an honours program.
3. Students must have a GPA of at least 3.30.
4. Students who are required to withdraw from an honours program may continue in the regular program provided they are in acceptable or conditional standing according to the academic regulations in Section 71.10.3 Academic Regulations.

Course Requirements for Honours Programs

Honours students must fulfill the requirements of the program. In addition, to receive an honours degree, students must:

1. have a final graduation GPA of at least 3.30;
2. successfully complete the course BIOL 368 and one of the Computer Science (COMP) courses listed below as part of their Health and Life Sciences Electives;
3. successfully complete one course from those listed under Project Courses: BCompSc in Health and Life Sciences below as part of their General Electives.

Computer Science Courses: BCompSc in Health and Life Sciences

- COMP 339 Combinatorics (3.00)
- COMP 353 Databases (4.00)
- COMP 465 Design and Analysis of Algorithms (3.00)
- COMP 479 Information Retrieval and Web Search (4.00)

Project Courses: BCompSc in Health and Life Sciences

- BIOL 490 Independent Study (6.00)
- COMP 490 Computer Science Project I (3.00)
- COMP 492 Computer Science Project II (3.00)
- COMP 493 Computational Biology Team Project (6.00)

Section 71.75.5 The Co-operative and C.Edge (Career Edge) Options

The Co-operative and C.Edge Options

For a full description of the Cooperative and C.Edge Options, please refer to Section 24 Institute for Cooperative Education and Section 71.70.7 C.Edge (Career Edge) Option and Reflective Learning Courses of this Calendar.

Section 71.80 Computation Arts and Computer Science

Computation Arts and Computer Science

BCompSc Joint Major in Computation Arts and Computer Science

Computation Arts and Computer Science

Objectives

The Gina Cody School of Engineering and Computer Science and the Faculty of Fine Arts have created a program of study which combines a comprehensive education in computer science and a complementary set of courses of equivalent value in the fine arts. This program resides in both Faculties. In the Gina Cody School of Engineering and Computer Science, it is offered under the aegis of the Bachelor of/Baccalaureate in Computer Science (BCompSc). According to their preferences and aspirations, students may apply either for a Bachelor of/Baccalaureate in Computer Science program, or a Bachelor of/Baccalaureate in Fine Arts program. The Fine Arts offering is described in Section 81.90 Department of Design and Computation Arts. The Computer Science program is described below.

BCompSc Joint Major in Computation Arts and Computer Science

Curriculum

The BCompSc Joint Major in Computation Arts and Computer Science consists of 45 credits in Computer Science complemented by 45 credits of study in Fine Arts. It provides a foundation for the integration of the arts and computer science as hybrid digital media arts and multimedia productions.

The Computation Arts core focuses on three areas of digital media: image works, sound exploration, and 3D modelling/animation. Through the integration of theory and practice, the programs aim at developing interdisciplinary cultural and technological practices, for independent arts initiatives, industry, and client-based productions.

The core courses are open-ended and flexible to accommodate change that will run parallel to technological advancements in industry and give students a strong base in multimedia research. Design Art, Electroacoustics, Film Animation, and the Studio Electronic Arts provide the Fine Arts electives, which further supports the cross-disciplinary nature of the program directives.

This program will give graduates the conceptual abilities and technical skills they need to practise as hybrid cultural workers in the rapidly expanding field of multimedia. Students will have many more options to fine-tune a multimedia program according to their individual needs and expectations. Courses have been restructured into three credits to facilitate computer lab access, and flexibility in course sequencing and offerings, as well as to accommodate completion of the program within a co-op structure.

Students of Computation Arts must bear the costs of annual laboratory fees.

Degree Requirements

The program consists of 45 credits in Computer Science and 45 credits in Fine Arts, as described below.

Joint Major in Computation Arts and Computer Science (90 credits)

33 credits from the Computer Science Core

45 credits from the Computation Arts Core

12 credits:

- COMP 345 Advanced Program Design with C++ (4.00)
- COMP 371 Computer Graphics (4.00)
- ENCS 282 Technical Writing and Communication (3.00)
- ENGR 411 Special Technical Report (1.00)

Computation Arts Core (45 credits)

6 credits:

- FFAR 248 Keywords: Engaging Across Disciplines in the Fine Arts (3.00)
- FFAR 249 Keywords: Working Across Disciplines in the Fine Arts (3.00)

12 credits:

- CART 210 New Media Theory (3.00)
- CART 211 Creative Computing and Network Culture (3.00)
- CART 212 Digital Media Studio (3.00)
- CART 214 Visual Form and Communication (3.00)

3 credits:

- CART 310 Interaction Design Studio (3.00)

6 credits chosen from 300-level CART courses

3 credits:

- CART 470 Capstone: Prototyping (3.00)

9 credits chosen from 400-level CART courses

6 credits chosen from DART courses or other Fine Arts electives

Note: the Joint Major in Computation Arts and Computer Science is offered jointly with the Department of Design and Computation Arts.

Admission Requirements

The Joint Major in Computation Arts and Computer Science is limited to students who are enrolled in or simultaneously applying for the BCompSc and who are qualified for the Fine Arts component. Applicants must fulfill the admission requirements for the BCompSc (see Section 71.10.2 Admission Requirements) and be accepted into the BCompSc.

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Computation Arts. All applicants must submit a portfolio following the instructions outlined on the Design and Computation Arts website at concordia.ca/finearts/design.

Section 71.85 Data Science

Data Science

BCompSc Joint Major in Data Science

Data Science

Objectives

The Gina Cody School of Engineering and Computer Science and the Faculty of Arts and Science have created a program of study which combines a comprehensive education in computer science and mathematics. This program resides in both Faculties. In the Gina Cody School of Engineering and Computer Science, it is offered under the aegis of the Bachelor of/Baccalaureate in Computer Science (BCompSc). According to their preferences and aspirations, students may apply either for a Bachelor of/Baccalaureate in Computer Science program, Bachelor of/Baccalaureate in Science program, or Bachelor of/Baccalaureate in Arts program. The Arts and Science offering is described in Section 31.200 Department of Mathematics and Statistics. The Computer Science program is described below.

BCompSc Joint Major in Data Science

Curriculum

The BCompSc Joint Major in Data Science provides the foundational courses that are critical for Data Science. The mathematics and statistics component of the program includes topics that overlap with computer science, such as calculus, probability and statistics, numerical analysis, and a data science lab.

Degree Requirements

The program consists of 90 credits.

Joint Major in Data Science (90 credits)

33 credits from the Computer Science Core

6 credits from the Computer Science Complementary Core

16 credits of Data Science Courses

18 credits from the Mathematics and Statistics Core: Joint Major in Data Science

6 credits of Computer Science Electives

11 credits of General Electives: BCompSc

Note: COMP 233 must be replaced by MAST 221.

Note: The Joint Major in Data Science is offered in collaboration with the Department of Mathematics and Statistics.

Mathematics and Statistics Core: Joint Major in Data Science (18 credits)

- MAST 218 Multivariable Calculus I (3.00)
- MAST 234 Linear Algebra and Applications I (3.00)
- MAST 333 Applied Statistics (3.00)
- MAST 334 Numerical Analysis (3.00)
- MAST 387 Data Science Lab (3.00)
- STAT 280 Introduction to Statistical Programming (3.00)

Note: MAST 334 may be replaced by COMP 361.

Data Science Courses (16 credits)

- COMP 353 Databases (4.00)
- COMP 432 Machine Learning (4.00)
- COMP 433 Introduction to Deep Learning (4.00)
- SOEN 471 Big Data Analytics (4.00)

Admission Requirements

The Data Science program is restricted to students who are enrolled in or simultaneously applying for the BCompSc and who are qualified for the mathematics component. Applicants must fulfill the admission requirements for the BCompSc (see Section 71.10.2 Admission Requirements) and be accepted into the BCompSc. For admission requirements for the mathematics component, see Section 31.200 Department of Mathematics and Statistics.

Section 71.90 Centre for Engineering in Society

Centre for Engineering in Society

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/ginacody/engineering-in-society.html

Objectives

The Centre for Engineering in Society (CES) has been created with two major objectives. The primary objective of the CES is to blend the teaching of engineering and technology with skills needed for students to become professionals who are responsible, articulate and ethical. The CES brings complementary skills and knowledge to engineering and information technology training by offering suitable courses.

An additional objective of the CES is to coordinate and manage those graduate and undergraduate courses in engineering, engineering mathematics, and computer science that are common to multiple departments within the Gina Cody School of Engineering and Computer Science.

Section 71.100 Concordia Institute for Information Systems Engineering

Concordia Institute for Information Systems Engineering

Section 71.100.1 Course Requirements (BEng in Cybersecurity Engineering)

Section 71.100.2 Course Requirements (BSc in Cybersecurity)

Section 71.100.3 Information Systems Engineering Courses

Section 71.1004 Cybersecurity Extended Credit Program

Concordia Institute for Information Systems Engineering

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/ginacody/info-systems-eng.html

Objectives

The Concordia Institute for Information Systems Engineering is an interdisciplinary fundamental research and R&D learning institute, housing state-of-the-art research in innovative applications of information systems to a wide range of areas, among them systems, telecommunications, software development, electronics, multimedia, aerospace, finance and banking, automotive, manufacturing, and building and construction management.

Section 71.100.1 Course Requirements (BEng in Cybersecurity Engineering)

Degree Requirements

BEng in Cybersecurity Engineering (120 credits)

30.5 credits from the Engineering Core

49.5 credits from the Cybersecurity Engineering Core

25 credits from the Cybersecurity Engineering Complementary Core

3 credits chosen from Engineering and Natural Science Group: Cybersecurity Engineering

12 credits chosen from Cybersecurity Engineering Electives

Cybersecurity Engineering Core (49.5 credits)

- INSE 201 Security Ethics, Laws, Standards and Compliance (1.50)
- INSE 221 Cryptography I (3.00)
- INSE 331 Database Security (3.00)
- INSE 349 Secure Programming and Software Design (3.00)
- INSE 351 Operating System Security (3.00)
- INSE 386 Introduction to Cybersecurity Management and Governance (3.00)
- INSE 387 Introduction to Artificial Intelligence and Machine Learning in Cybersecurity (3.00)
- INSE 390 Cybersecurity Engineering Team Design Project (3.00)
- INSE 401 Usability and Human Aspects of Security (3.00)
- INSE 412 Cybercrime and Digital Forensics (3.00)
- INSE 413 Security Auditing and Compliance (3.00)
- INSE 441 Mobile Security and Privacy (3.00)
- INSE 442 Reverse Engineering, Application and Malware Analysis (3.00)
- INSE 445 Network Security (3.00)
- INSE 452 Penetration Testing and Ethical Hacking (3.00)
- INSE 490 Capstone Cybersecurity Engineering Design Project (6.00)

Cybersecurity Engineering Complementary Core (25 credits)

- COMP 232 Mathematics for Computer Science (3.00)
- COMP 248 Object-Oriented Programming I (3.50)
- COMP 249 Object-Oriented Programming II (3.50)
- COMP 346 Operating Systems (4.00)
- COMP 352 Data Structures and Algorithms (3.00)
- COMP 445 Data Communication and Computer Networks (4.00)
- SOEN 228 System Hardware (4.00)

Engineering and Natural Science Group: Cybersecurity Engineering (3 credits)

Students must complete 3 credits from the following:

- ENGR 245 Mechanical Analysis (3.00)
- MIAE 221 Materials Science (3.00)

Cybersecurity Engineering Electives

Students must complete 12 credits from the following:

- INSE 321 Cryptography II (3.00)
- INSE 411 Privacy: Enhancing Technologies, Analysis and Measurement (3.00)
- INSE 481 Blockchain Technologies and Applications (3.00)
- INSE 482 Industrial Control Systems and Critical Infrastructure (3.00)
- INSE 483 IoT and Embedded System Security (3.00)
- INSE 484 Quantum Computing and Security (3.00)
- INSE 485 Cybersecurity of Health-Care Systems and Devices (3.00)
- INSE 486 Advanced Cybersecurity Management and Governance (3.00)
- INSE 487 Advanced Topics on Artificial Intelligence and Machine Learning in Cybersecurity (3.00)
- INSE 488 Cloud Computing and Security (3.00)
- INSE 498 Topics in Cybersecurity Engineering (3.00)

Section 71.100.2 Course Requirements (BSc in Cybersecurity)

Degree Requirements

BSc in Cybersecurity (90 credits)

22.5 credits from the Cybersecurity Core

27 credits from the Cybersecurity Complementary Core

12 credits chosen from Cybersecurity Electives

9 credits chosen from Mathematics Electives: BSc Cybersecurity

19.5 credits chosen from General Electives: BSc Cybersecurity

Cybersecurity Core (22.5 credits)

- INSE 201 Security Ethics, Laws, Standards and Compliance (1.50)
- INSE 221 Cryptography I (3.00)
- INSE 331 Database Security (3.00)
- INSE 349 Secure Programming and Software Design (3.00)
- INSE 351 Operating System Security (3.00)
- INSE 386 Introduction to Cybersecurity Management and Governance (3.00)
- INSE 413 Security Auditing and Compliance (3.00)
- INSE 445 Network Security (3.00)

Cybersecurity Complementary Core (27 credits)

- COMP 228 System Hardware (3.00)
- COMP 232 Mathematics for Computer Science (3.00)
- COMP 248 Object-Oriented Programming I (3.50)
- COMP 249 Object-Oriented Programming II (3.50)
- COMP 346 Operating Systems (4.00)
- COMP 352 Data Structures and Algorithms (3.00)
- COMP 445 Data Communication and Computer Networks (4.00)
- ENCS 282 Technical Writing and Communication (3.00)

Cybersecurity Electives (12 credits)

Students must complete 12 credits from the following:

- INSE 321 Cryptography II (3.00)
- INSE 387 Introduction to Artificial Intelligence and Machine Learning in Cybersecurity (3.00)
- INSE 401 Usability and Human Aspects of Security (3.00)
- INSE 411 Privacy: Enhancing Technologies, Analysis and Measurement (3.00)
- INSE 412 Cybercrime and Digital Forensics (3.00)
- INSE 441 Mobile Security and Privacy (3.00)
- INSE 442 Reverse Engineering, Application and Malware Analysis (3.00)
- INSE 452 Penetration Testing and Ethical Hacking (3.00)
- INSE 481 Blockchain Technologies and Applications (3.00)
- INSE 482 Industrial Control Systems and Critical Infrastructure (3.00)
- INSE 483 IoT and Embedded System Security (3.00)
- INSE 484 Quantum Computing and Security (3.00)
- INSE 485 Cybersecurity of Health-Care Systems and Devices (3.00)
- INSE 486 Advanced Cybersecurity Management and Governance (3.00)
- INSE 487 Advanced Topics on Artificial Intelligence and Machine Learning in Cybersecurity (3.00)
- INSE 488 Cloud Computing and Security (3.00)
- INSE 490 Capstone Cybersecurity Engineering Design Project (6.00)
- INSE 498 Topics in Cybersecurity Engineering (3.00)

Mathematics Electives: BSc Cybersecurity (9 credits)

Students must complete 9 credits from the following:

- ENGR 213 Applied Ordinary Differential Equations (3.00)
- ENGR 233 Applied Advanced Calculus (3.00)
- ENGR 371 Probability and Statistics in Engineering (3.00)
- ENGR 391 Numerical Methods in Engineering (3.00)
- MAST 218 Multivariable Calculus I (3.00)
- MAST 219 Multivariable Calculus II (3.00)
- MAST 221 Applied Probability (3.00)
- MAST 324 Introduction to Optimization (3.00)
- MAST 332 Techniques in Symbolic Computation (3.00)
- MAST 333 Applied Statistics (3.00)
- MAST 334 Numerical Analysis (3.00)
- MATH 251 Linear Algebra I (3.00)
- MATH 252 Linear Algebra II (3.00)
- MATH 339 Combinatorics (3.00)
- MATH 366 Complex Analysis I (3.00)
- MATH 392 Elementary Number Theory and Cryptography (3.00)

General Electives: BSc Cybersecurity (19.5 credits)

Students must complete 19.5 credits from the following:

Mathematics Electives: BSc Cybersecurity

General Education Electives found in Section 71.110 Complementary Studies for Engineering and Computer Science Students

A course outside this list qualifies as a General Elective provided that the course is explicitly listed in the Undergraduate Calendar as part of a major, minor, or specialization program, or as part of the degree requirements for a BEng program at Concordia, and provided that the course is not included in the General Electives Exclusion List below.

General Electives Exclusion List: BSc Cybersecurity

1. The following courses may not be taken to fulfill the General Electives requirement:

- BCEE 231 Structured Programming and Applications for Building and Civil Engineers (3.00)
- BIOL 200 Fundamentals of Human Biology (3.00)
- BIOL 322 Biostatistics (3.00)
- BTM 200 Fundamentals of Information Technology (3.00)
- BTM 380 Business Application Development (3.00)

- BTM 382 Database Management (3.00)
- CART 315 Digital Game Prototyping (3.00)
- COMM 215 Business Statistics (3.00)
- COMP 218 Fundamentals of Programming (3.00)
- EXCI 322 Statistics for Exercise Science (3.00)
- GEOG 264 Programming for Environmental Sciences (3.00)
- INTE 296 Discover Statistics (3.00)
- MATH 208 Fundamental Mathematics I (3.00)
- MATH 209 Fundamental Mathematics II (3.00)
- MIAE 215 Programming for Mechanical, Industrial and Aerospace Engineers (3.50)
- PHYS 235 Object-Oriented Programming and Applications (3.00)
- PHYS 236 Numerical Methods in Physics with Python (3.00)
- SOCI 212 Statistics I (3.00)

2. COEN courses or INTE courses can only be taken with permission. In general, courses offered outside the Department of Computer Science and Software Engineering that contain substantial programming or computer science content may not be taken. Such courses may qualify as a General Elective only with prior written permission on a GCS Student Request form, obtainable from the Office of Student Academic Services in the Gina Cody School of Engineering and Computer Science.

3. At most, six credits of the following courses may be taken for credit towards the General Electives requirement:

- FRAN 211 French Language: Elementary (6.00)
- FRAN 212 French Language: Transitional Level (6.00)
- FRAN 215 Langue française : niveau intermédiaire II (3.00)

4. ESL courses may not be taken to fulfill the General Electives requirement.

Section 71.100.3 Information Systems Engineering Courses

INSE 201 Security Ethics, Laws, Standards and Compliance (1.5 credits)

Description:

This course covers ethical professional practices and responsibilities for engineers working within Quebec and Canadian legislative frameworks, touching on four main topics: professional systems, the ethics of engineering, the professional duties of an engineer, as well as the legal dimensions of professional practice. The course covers ethics, law, professional standards, and regulating human conduct. The course also addresses several ethical concerns and challenges in cybersecurity. These issues pervade numerous aspects of the economy and society in the information age, covering a wide range of topics from human rights to international trade. Students learn about these topics, beginning with an acquaintance with the dominant ethical frameworks of the 21st century, then employing these frameworks to understand, analyze, and develop solutions for leading ethical problems in cybersecurity. Using scenarios, students are also exposed to the best practices for an ethical cybersecurity.

Component(s):

"Lecture"

INSE 221 Cryptography I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: COEN 231 or COMP 232.

Description:

The introduction to this course covers cryptology, cryptography, cryptanalysis, confidentiality, integrity, authentication, non-repudiation. The following topics are then covered: mathematical background (modular arithmetic, basic algorithms, including Euclidean algorithm, extended Euclidean algorithm, square and multiply, Chinese remainder theorem); historical ciphers (shift cipher, substitution cipher, affine cipher, and Vigenere cipher); number theory problems (DLP, DHP, DDH, integer factorization); public key cryptography (RSA encryption, El-Gamal encryption, and digital signature schemes); cryptographic protocols (PKI, authentication protocols: challenge response, nonces, time stamps); symmetric key ciphers (block ciphers: DES, SPN, AES, lightweight ciphers); stream ciphers, hash functions, MAC; and side channel attacks.

Component(s):

"Lecture"

INSE 321 Cryptography II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INSE 221 .

Description:

This course offers students an advanced mathematical background, covering the following topics: elliptic curves (introduction, the Group Law, elliptic curves over finite fields, projective coordinates, point compression, choosing an elliptic curve); lattices (lattices and lattice reduction), hard lattice problems, learning with errors (LWE), notions of security, post quantum cryptography, Shamir secret sharing, threshold-based cryptography; homomorphic cryptosystems; zero

knowledge proofs; commitment schemes and oblivious transfer; advanced signature schemes (blind signature, group signature, ring signature); and secure multi-party computation (the two-party case, the multi-party case).

Component(s):

"Lecture"

INSE 331 Database Security (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 352 or COMP 352; INSE 349.

Description:

This course offers students recent examples of database security issues, including a brief overview of root causes; security configuration of a typical database product; operating system security principles; administration of users at the OS level vs. database level; profiles, password policies, privileges and roles; database application security models; known attacks and defences; database auditing and hardening models.

Component(s):

"Lecture"

INSE 349 Secure Programming and Software Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INSE 221.

Description:

This course offers students the fundamentals of secure programming and introduces fundamental concepts, coding standards, design principles and best practices in DevSecOps. Topics include string-related vulnerabilities and defense, pointer-related vulnerabilities and defense, memory management-related vulnerabilities and defense, integer-related security issues, formatted output-related security issues, concurrency-related security issues, security vulnerabilities and linking, security in sockets programming, security vulnerabilities and signals, file I/O security. Students learn best practices and coding standards, design principles for secure programming, model based secure programming, and static analysis for secure programming.A project is required.

Component(s):

"Lecture" 3 hours per week

INSE 351 Operating System Security (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: COEN 346 or COMP 346; INSE 349.

Description:

This course includes topics such as authentication, confidentiality, integrity, access control matrix, safety result, access control list, capability list, Windows security, UNIX/Linux security, security levels, mandatory/discretionary access control,

integrity levels, BLP, Biba, conflict of interest, security design principle, password security, strong authentication, dictionary attack, password salt, one-time password, Lamport's scheme, challenge response, logging and auditing, host-based intrusion detection, anomaly detection, misuse detection, memory security, secure booting, UNIX network security services and firewall, covert channel, and information flow control.

Component(s):

"Lecture"

INSE 386 Introduction to Cybersecurity Management and Governance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INSE 201.

Description:

This course introduces basic topics of cybersecurity management, governance and best practices. This includes cybersecurity structures and baseline controls; asset management; cybersecurity operations; incident handling; security metrics; vulnerability management; supply chain security; risk management; cybersecurity awareness, training, and communication; government cybersecurity laws and regulations in Quebec, Canada, and worldwide.

Component(s):

"Lecture" 3 hours per week

INSE 387 Introduction to Artificial Intelligence and Machine Learning in Cybersecurity (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 371, ENGR 391.

Description:

The course introduces students to the foundations of artificial intelligence and machine learning (AI/ML) in cybersecurity, including basic concepts and workflows of AI/ML as well as different supervised learning, reinforcement learning, unsupervised learning, deep learning, and generative AI algorithms and applications in cybersecurity.

Component(s):

"Lecture" 3 hours per week

INSE 390 Cybersecurity Engineering Team Design Project (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENCS 282; ENGR 371; INSE 331, INSE 351. The following course must be completed previously or concurrently: INSE 445.

Description:

Students work in teams to design and implement a cybersecurity project based on requirements provided by the course instructor. Each team demonstrates the project and prepares adequate documentation for it. In addition, each team writes a report based on the process of development.

Component(s):

"Lecture"

INSE 401 Usability and Human Aspects of Security (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INSE 321.

Description:

This course provides students with an introduction to human aspects of security, including common evaluation methodologies for usable security; relationship between usability, deployability, and security; social engineering attacks; user study; statistical analysis for usability measurements; example evaluation of authentication in desktop vs. mobile devices, browsers, email applications, and private messaging; and defenses against social engineering attacks.

Component(s):

"Lecture"

INSE 411 Privacy: Enhancing Technologies, Analysis and Measurement (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INSE 401.

Description:

This course is on privacy and related concepts like anonymity, confidentiality, and censorship. The course covers the following topics: hashing, bloom filters, encryption, zero-knowledge proofs, multi-party computation, k-anonymity, differential privacy, trusted execution, separation of duties, digital credentials, onion routing, cookies, privacy-preserving data analytics and machine learning, genomic privacy, financial privacy, and secret ballot voting systems.

Component(s):

"Lecture"

INSE 412 Cybercrime and Digital Forensics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: INSE 401, INSE 442.

Description:

This course provides students an introduction to cybercrime, including unauthorized access, mischief to data, possession of hacking tools, possession of child pornography, and others; legal aspects: Canadian judicial system, computer crime laws, charter of rights, common law, mutual legal assistance treaty, search warrants, production and assistance orders, international laws; investigation process: search planning, acquisition methods, environment recognition, evidence identification; digital forensics: tools, techniques and procedures; reporting process: investigation and analysis reports, note taking; authority of seizure; forensic interviews; computer crime trials: witness preparation, court sentencing, rebuttal witness, cross-examination, testimony, credibility attacks; and in-depth case studies.

Component(s):

"Lecture"

INSE 413 Security Auditing and Compliance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: INSE 331, INSE 351. The following course must be completed previously or concurrently: INSE 445.

Description:

Security auditing and compliance checking have been a popular security practice to ensure the accountability and transparency of a digital system. With the large-scale emerging technologies (including cloud computing, 5G networking, Internet of Things), the landscape of security auditing is rapidly evolving. This course prepares students with the knowledge of traditional security auditing techniques, as well as cutting-edge techniques for newer technologies. Topics include the definition of security auditing, review of existing security standards, interpreting security standards, formal verification methods and tools, machine-learning-based auditing approaches and current challenges in security auditing.

Component(s):

"Lecture"

INSE 441 Mobile Security and Privacy (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: INSE 349, INSE 445.

Description:

This course provides a comprehensive exploration of the security challenges and solutions within wireless and mobile communications systems. As mobile devices become ubiquitous and play an integral role in people's daily lives, securing the communication channels and data they handle is paramount. This course covers a spectrum of topics ranging from the fundamentals of wireless networks to the intricacies of mobile operating systems and applications.

Component(s):

"Lecture"

INSE 442 Reverse Engineering, Application and Malware Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: INSE 331, INSE 351.

Description:

Reverse engineering is the process of analyzing hardware or software and understanding it without having access to the source code or design documents. Malicious actors and hackers often are able to reverse-engineer systems and exploit what they find in terms of vulnerabilities. This course provides an in-depth exploration of reverse-engineering techniques and malware analysis methodologies. Students learn how to analyze and understand the inner workings of software, detect malicious activities, and develop skills to combat evolving cyber threats.

Component(s):

"Laboratory"

INSE 445 Network Security (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: INSE 321, INSE 349; COEN 366 or COMP 445 or ELEC 366.

Description:

This course provides students with a comprehensive understanding of network security essentials. The topics covered in this course include secure data transmission, web security, domain name system (DNS) protection, wireless network security, denial-of-service (DoS) attacks and mitigration, intrusion detection systems, firewalls, and security for advanced network architectures.

Component(s):

"Lecture"

INSE 452 Penetration Testing and Ethical Hacking (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: INSE 442, INSE 445.

Description:

Throughout this course, students develop a comprehensive understanding of cyber attack and defense strategies. The topics covered in this course include system vulnerabilities and exploitation, hacking strategies, cyber attack tools, cybercrime acts, hacking ethics, and malware.

Component(s):

"Lecture"

INSE 481 Blockchain Technologies and Applications (3 credits)

Description:

This course deals with Bitcoin and blockchain technologies, and includes topics such as digital cash, hash functions, digital signatures, Merkle trees, linked time-stamping, blockchains, Bitcoin, Ethereum, smart contracts, and Solidity FinTech.

Component(s):

"Lecture"

INSE 482 Industrial Control Systems and Critical Infrastructure (3 credits)

Description:

This introductory course provides students with the fundamental notions of feedback control systems and cyber-physical systems (CPSs), and how such systems are used to control critical industrial control systems and infrastructures. Students learn the basics of how to reproduce feedback and networked control systems in a simulation environment and how to analyze their performance. The potential vulnerability of autonomous critical infrastructure to cyber-attacks is explored, and classes of attacks affecting the security and privacy of such systems are investigated. Students learn how to emulate the presence of attacks in a simulation environment with the aim of testing their impact on control systems and critical infrastructures. Passive and active mechanisms for the detection and mitigation of cyber-attacks are investigated, and the concept of secure and resilient control is introduced. An introduction to the engineering software Matlab/Simulink is provided, with particular emphasis on how such tools can be used to design cyber-secure industrial control systems for critical infrastructures.

Component(s):

"Lecture"

INSE 483 IoT and Embedded System Security (3 credits)

Description:

This course initially provides an introduction to the concept of security and its basic definitions, proceeding with the concept of embedded systems, their application and characteristics. Then it delves into the famous attacks, lessons learned, and common vulnerabilities, and attack in general and in cases of different domains such as industrial control systems. The course describes the details inside embedded systems, such as their IO, operating system, and communication. Finally, the course provides security analysis frameworks and monitoring techniques.

Component(s):

"Lecture"

INSE 484 Quantum Computing and Security (3 credits)

Description:

This course covers quantum mechanics (photon polarization, linear polarization, circular and elliptical polarization, general quantum variables, composite systems, measuring a subsystem, other incomplete measurements); quantum cryptography (the Bennett-Brassard protocol, the no-cloning theorem, quantum teleportation); error-correcting codes (linear codes, syndrome decoding); error correction for quantum key distribution, privacy amplification, quantum computing (quantum gates, the Deutsch Algorithm, universal set of quantum gates); Shor's algorithm (finding the period of f(x), estimating the probability of success, efficiency of factoring); post-quantum cryptography.

Component(s):

"Lecture"

INSE 485 Cybersecurity of Health-Care Systems and Devices (3 credits)

Description:

This course offers students an in-depth look into the unique challenges and methodologies associated with securing health-care systems and devices. It covers a range of topics, including the architecture of health-care IT systems, data privacy laws, the security of medical devices, and strategies to mitigate cybersecurity threats in health care. This course combines theoretical learning with practical case studies to prepare students for careers in heath-care cybersecurity.

Component(s):

"Lecture"

INSE 486 Advanced Cybersecurity Management and Governance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INSE 386.

Description:

This course covers advanced topics of cybersecurity management, governance and best practices in small, medium and large organizations of various types (public, private, non-profit, start-up). Topics include practical cybersecurity frameworks, policies, controls, operations, and planning; principles of DevSecOps; cyber threat intelligence, advanced persistent threats, and proactive security mitigation; responsible disclosure, reporting, and digital forensics.

Component(s):

"Lecture" 3 hours per week

INSE 487 Advanced Topics on Artificial Intelligence and Machine Learning in Cybersecurity (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: INSE 387.

Description:

The course introduces students to advanced topics of artificial intelligence and machine learning (AI/ML) in cybersecurity, including threats, risks, and mitigations for secure and trustworthy AI/ML deployment as well as threats, risks, and mitigation against adversarial AI/ML like DeepFake and others targeting security, privacy, and other applications.

Component(s):

"Lecture" 3 hours per week

INSE 488 Cloud Computing and Security (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: INSE 201, INSE 221, INSE 351.

Description:

This course offers an in-depth overview of the principles, architectures, and security of cloud computing. It builds the background on the core concepts of cloud computing including service-oriented architecture (SOA), virtualization, cloud service delivery and storage models, and deployment paradigms encompassing public, private, hybrid, and community clouds. The course covers the security and privacy challenges inherent to cloud computing. Students study advanced techniques such as homomorphic encryption, secure search over encrypted data, secure data and computation outsourcing, and proofs of data possession and retrievability. Additional topics include virtual machine security, trusted computing frameworks, cloud-centric regulatory compliance, identity and access management (e.g., SAML), and risk modelling from both business and security perspectives.

Component(s):

"Lecture" 3 hours per week

INSE 490 Capstone Cybersecurity Engineering Design Project (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ENGR 301 , ENGR 391; INSE 390. Students must have completed 75 credits in the program before enrolling.

Description:

Students work in groups to design, implement and/or validate solutions to a complex interdisciplinary cybersecurity problem, typically involving vulnerabilities, threats, and/or defenses of a security-critical system in a sandbox environment or simulated-use case. Each team demonstrates the project and prepares adequate demonstration and documentation. The project also fosters teamwork between group members and allows students to develop project management, technical writing, and technical presentation skills.

Component(s):

"Lecture"

INSE 498 Topics in Cybersecurity Engineering (3 credits)

Description:

This course may be offered in a given year upon the authorization of the CIISE. The course content may vary from offering to offering and will be chosen to complement the available elective courses.

Component(s):

"Lecture"

Section 71.1004 Cybersecurity Extended Credit Program

Notes

Students admitted to an Extended Credit Program (ECP) under the provisions of Section 13.3 Admission Requirements or Section 13.8 Selection Process and Notification must successfully complete a minimum of 120 credits including the requirements below.

Degree Requirements

BEng in Cybersecurity Extended Credit Program

Please see the Extended Credit Program requirements for the BEng under Section 71.20.2 Alternative Entry Programs.

BSc in Cybersecurity Extended Credit Program (120 credits)

90 credits of program requirements as set out in the BSc in Cybersecurity

9 credits:

- MATH 203 Differential and Integral Calculus I (3.00)
- MATH 204 Vectors and Matrices (3.00)
- MATH 205 Differential and Integral Calculus II (3.00)

6 credits chosen from General Education Humanities and Social Sciences Electives as noted in Section 71.110 Complementary Studies for Engineering and Computer Science Students.

Note: English as a Second Language Courses and courses that focus on the acquisition of a language may not be used to meet this requirement.

15 ECP elective credits chosen from outside the Gina Cody School of Engineering and the Cybersecurity ECP Electives Exclusion List below.

Cybersecurity ECP Electives Exclusion List

The following courses may not be taken for credit to fulfill the ECP Electives requirement for the BSc in Cybersecurity:

- BIOL 200 Fundamentals of Human Biology (3.00)
- BTM 200 Fundamentals of Information Technology (3.00)
- BTM 380 Business Application Development (3.00)
- BTM 382 Database Management (3.00)
- COMP 218 Fundamentals of Programming (3.00)
- ENGL 206 Fundamentals of Written English – Stage I (3.00)
- ENGL 207 Fundamentals of Written English – Stage II (3.00)
- ENGL 208 Introduction to English Composition and Literary Analysis (3.00)

- EXCI 202 The Body Human: Form and Function (3.00)
- EXCI 204 Food for Sport (3.00)
- EXCI 206 The Science of Sport (3.00)
- EXCI 218 Physical Growth and Maturation (3.00)
- FINA 200 Personal Finance (3.00)
- GEOG 264 Programming for Environmental Sciences (3.00)
- MATH 208 Fundamental Mathematics I (3.00)
- MATH 209 Fundamental Mathematics II (3.00)
- PHYS 235 Object-Oriented Programming and Applications (3.00)
- PHYS 236 Numerical Methods in Physics with Python (3.00)

Note: INTE courses may only be taken with permission.

Note: ESL courses may not be taken for credit to fulfill the ECP Electives requirement for the BSc in Cybersecurity.

Section 71.105 Department of Chemical and Materials Engineering

Department of Chemical and Materials Engineering

Section 71.105.1 Course Requirements (BEng in Chemical Engineering)

Department of Chemical and Materials Engineering

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/ginacody/chemical-materials-eng.html

Objectives

The Department of Chemical and Materials Engineering trains skilled engineers who find novel ways to solve problems that have significant impacts on everyday life, ranging from climate change to food security. Its faculty members are experts in fields such as green chemical processes, polymers and nanomaterials, new battery materials, environmental health diagnostics, and the fundamental study of the properties of materials. The Department places particular emphasis on developing sustainable solutions for the energy sector as well as other sectors. Montreal offers unique opportunities to work in the chemical and pharmaceutical industries, and in companies supplying the aerospace and transportation sector.

Section 71.105.1 Course Requirements (BEng in Chemical Engineering)

Degree Requirements

The program in Chemical Engineering consists of the Engineering Core, the Chemical Engineering Core, and the Chemical Engineering Technical Elective Courses as shown below. The minimum length of the program is 120 credits.

BEng in Chemical Engineering (120 credits)

27 credits from the Engineering Core

90 credits from the Chemical Engineering Core

3 credits from the Chemical Engineering Technical Elective Courses

Chemical Engineering Core (90 credits)

- CHEM 221 Introductory Organic Chemistry I (3.00)
- CHME 200 Introduction to Chemical Process Engineering (3.00)
- CHME 201 Innovative, Sustainable, and Safe Manufacturing in the Chemical Industry (3.00)
- CHME 214 Applied Linear Algebra for Chemical Engineers (3.00)
- CHME 215 Programming for Chemical and Materials Engineers (3.50)
- CHME 216 Advanced Programming for Chemical Engineers (3.50)
- CHME 220 Material Properties and Chemical Characterization (3.00)
- CHME 240 Chemical Engineering Lab I (1.50)
- CHME 300 Industrial and Engineering Chemistry (3.00)
- CHME 301 Chemical Reaction Engineering (3.00)
- CHME 316 Advanced Data Analysis and Machine Learning for Chemical Engineers (3.50)
- CHME 320 Technical and Advanced Materials (3.00)
- CHME 321 Chemical and Materials Product Design (3.00)
- CHME 330 Chemical Process Dynamics and Control (3.00)
- CHME 340 Chemical Engineering Lab II (1.50)
- CHME 351 Chemical Engineering Thermodynamics (3.00)
- CHME 352 Energy Conversion and Storage (3.00)
- CHME 360 Heat Transfer (3.00)
- CHME 361 Mass Transfer and Unit Operations (3.00)
- CHME 362 Chemical Separations Engineering (3.00)

- CHME 390 Design Project (3.00)
- CHME 415 Computational Modelling for Chemical Engineers (3.00)
- CHME 440 Chemical Engineering Lab III (1.50)
- CHME 470 Biochemical Engineering (3.00)
- CHME 490 Capstone Chemical Process Design (6.00)
- ENGR 245 Mechanical Analysis (3.00)
- ENGR 251 Thermodynamics I (3.00)
- ENGR 311 Transform Calculus and Partial Differential Equations (3.00)
- ENGR 361 Fluid Mechanics I (3.00)
- MIAE 221 Materials Science (3.00)

Chemical Engineering Technical Elective Courses (3 credits)

3 elective credits chosen from the Technical Elective Courses listed below. Courses are grouped in specialized tracks to facilitate the selection of this course in a particular area of the field:

Advanced Process Design and Control

Advanced Topics in Chemical Engineering

Biochemical and Food Engineering

Biomolecular Modelling and Drug Design

Data Analytics for Chemical Engineers

Materials Engineering

Sustainable Chemical Engineering

Advanced Process Design and Control

- CHME 416 Data Engineering for Chemical Engineers (3.00)
- CHME 430 Advanced Chemical Engineering Process Dynamics and Control (3.00)
- CHME 431 Introduction to Optimization for Chemical Engineers (3.00)
- CHME 432 Advanced Process Safety Engineering (3.00)
- MECH 472 Mechatronics and Automation (3.50)

Advanced Topics in Chemical Engineering

- CHME 460 Chemical Kinetics and Advanced Reactor Engineering (3.00)
- CHME 461 Advanced Chemical Engineering Thermodynamics (3.00)
- CHME 462 Industrial Catalysis (3.00)

- CHME 463 Advanced Separation Processes (3.00)

Biochemical and Food Engineering

- BIOL 226 Biodiversity and Ecology (3.00)
- BIOL 261 Molecular and General Genetics (3.00)
- BIOL 371 Microbiology (3.00)
- CHEM 271 Biochemistry I (3.00)
- CHME 471 Colloid and Interface Chemistry (3.00)
- CHME 472 Food Engineering (3.00)
- CHME 473 Biomaterials and Biochemicals (3.00)

Biomolecular Modelling and Drug Design

- CHEM 431 Computational Chemistry for Chemists and Biochemists (3.00)
- CHME 480 Molecular Modelling of Proteins (3.00)
- CHME 481 Multiscale Modelling of Biomaterials (3.00)

Data Analytics for Chemical Engineers

- CHME 416 Data Engineering for Chemical Engineers (3.00)
- COMP 333 Data Analytics (4.00)
- COMP 352 Data Structures and Algorithms (3.00)
- COMP 433 Introduction to Deep Learning (4.00)
- COMP 473 Pattern Recognition (4.00)
- COMP 474 Intelligent Systems (4.00)
- COMP 479 Information Retrieval and Web Search (4.00)
- SOEN 363 Data Systems for Software Engineers (3.00)

Materials Engineering

- CHEM 327 Organic Chemistry of Polymers (3.00)
- CHEM 427 Polymer Chemistry and Nanotechnology (3.00)
- CHEM 498 Advanced Topics in Chemistry (3.00)
- CHME 420 Nanomaterials Science and Engineering (3.00)
- CHME 421 Metallurgical Engineering (3.00)

- CHME 422 Polymer Chemistry and Engineering (3.00)
- CHME 423 Advanced Battery Materials and Technologies (3.00)
- CHME 424 Advanced Characterization Techniques (3.00)
- CHME 425 Hydrometallurgy (3.00)

Note: CHEM 498 can be counted as a technical elective course and many topics may be offered.

Sustainable Chemical Engineering

- CHEM 498 Advanced Topics in Chemistry (3.00)
- CHME 400 Sustainable Industrial and Engineering Chemistry (3.00)
- CHME 401 Sustainable Process Design (3.00)
- CHME 402 Sustainable Energy Conversion and Management (3.00)
- CHME 403 Electrochemical Engineering (3.00)
- CHME 404 Clean Energy Science and Technology (3.00)
- CHME 405 Introduction to Environmental Engineering (3.00)
- CHME 406 Introduction to Life Cycle Assessment (3.00)
- CIVI 465 Water Pollution and Control (3.50)
- CIVI 467 Air Pollution and Emission Control (3.00)
- CIVI 468 Waste Management (3.00)

Note: CHEM 498 can be counted as a technical elective course and many topics may be offered.

Section 71.110 Complementary Studies for Engineering and Computer Science Students

General Education Humanities and Social Sciences Electives

To fulfill the requirements of the General Education Elective or General Electives, students may choose courses from the departmental course lists below (except courses listed in the Humanities and Social Sciences Electives Exclusion List) or from the Other Courses list.

Inclusion of a departmental course list below does not guarantee that a student can register for a course within the departmental course list. Registration is subject to course prerequisites, restrictions, and regulations that have been established by the offering department.

Faculty of Arts and Science

Anthropology Courses (ANTH)
First Peoples Studies Courses (FPST Courses)
History Courses (HIST)
Philosophy Courses (PHIL)
Religions and Cultures Courses (RELI)
Sociology Courses (SOCI)
Theological Studies Courses (THEO)
Women's Studies Courses (WSDB)

Faculty of Fine Arts

Art Education Courses (ARTE)
Art History Courses (ARTH)
Jazz History Courses (JHIS)
Music History Courses (MHIS)

Other Courses

- COMS 360 Mass Media (3.00)
- EDUC 230 Introduction to Philosophy of Education (3.00)
- ENCS 483 Creativity, Innovation and Critical Thinking in Science and Technology (3.00)
- ENGL 224 The Creative Process (3.00)
- ENGL 233 Methods of Literary Analysis (3.00)
- GEOG 220 Place, Space, and Identity (3.00)
- INST 250 Introductory Information Literacy Skills (3.00)
- LING 222 Language and Mind: The Chomskyan Program (3.00)
- LING 300 Sociolinguistics (3.00)
- URBS 230 Urbanization: Global and Historical Perspectives (3.00)

Humanities and Social Sciences Electives Exclusion List

The following courses may not be taken to fulfill the Humanities and Social Sciences Electives requirement:

- ANTH 315 Field Research (6.00)
- PHIL 214 Deductive Logic (3.00)
- PHIL 316 Intermediate Logic (3.00)
- PHIL 317 Inductive and Abductive Logic (3.00)
- SOCI 212 Statistics I (3.00)
- SOCI 213 Statistics II (3.00)
- SOCI 310 Research Methods (3.00)

Notes

- In some instances, students may have to complete specific prerequisites before taking any of the above courses. Those prerequisite courses are not counted towards their program unless they are specifically listed on the student's offer of admission or listed as courses required for the completion of their programs. The relevant prerequisites in each case are stated in the departmental course descriptions.
- Prior to registering, students who do not have any specified prerequisites for a course must obtain permission of the relevant Department.
- An ESL course or an introductory course that deals with the acquisition of a language will not be considered as a General Education elective or a General Elective.

Section 81 Faculty of Fine Arts

Faculty of Fine Arts
- Section 81.01 Faculty of Fine Arts
- Section 81.10 Programs and Admission Requirements
- Section 81.20 Degree Requirements
- Section 81.30 Interdisciplinary Studies in Fine Arts
- Section 81.40 Department of Art Education
- Section 81.50 Department of Art History
- Section 81.60 Mel Hoppenheim School of Cinema
- Section 81.80 Department of Creative Arts Therapies
- Section 81.90 Department of Design and Computation Arts
- Section 81.110 Department of Studio Arts
- Section 81.130 School of Performance

Section 81.01 Faculty of Fine Arts

concordia.ca/finearts.html

Objectives

The Faculty of Fine Arts is recognized internationally for its long-standing record of excellence in undergraduate education in the visual, performing, cinematic, design, and electronic arts. The Faculty strives to create an environment that reflects the openness and diversity of contemporary culture, with a strong commitment to integrating new technologies with traditional fine arts practices. Programs and courses in studio or academic disciplines situate students within both the pluralism of the university academic experience and an active urban arts milieu.

Section 81.10 Programs and Admission Requirements

General admission requirements are listed in Admission Regulations. Specific requirements for admission to the various programs leading to the BFA degree are set out in the first column of the following listings. They refer to the table of Cegep profiles and other specific requirements defined below.

Profile Requirements

Profile	Requirements
0.00	Diploma of Collegial Studies (DEC — Diplôme d'études collégiales)
10.12	Mathematics 103, 105, 203
A	Interview/Audition
G	Letter of intent
K	Submission of a portfolio of representative work

Programs offered

For information concerning any of the following programs, please consult the calendar section listed opposite each program.

Recommended Profile and Specific Requirements	Program	Calendar Section
	Specializations:	
0.00, A,G	Acting for the Theatre	Section 81.130 School of Performance
0.00, G,K	Art Education – Visual Arts	Section 81.40 Department of Art Education
0.00, 10.12, G,K	Computation Arts	Section 81.90 Department of Design and Computation Arts
0.00	Film and Moving Image Studies	Section 81.60 Mel Hoppenheim School of Cinema
0.00, G,K	Film Production	Section 81.60 Mel Hoppenheim School of Cinema
0.00, A	Jazz Studies	Section 81.130 School of Performance
0.00, A	Music Performance	Section 81.130 School of Performance
0.00, A	Music Composition and Production	Section 81.130 School of Performance
0.00, A,G	Performance Creation	Section 81.130 School of Performance

0.00, A,G,K	Scenography	Section 81.130 School of Performance
	Majors:	
0.00, G,K	Art Education – Visual Arts	Section 81.40 Department of Art Education
0.00	Art History	Section 81.50 Department of Art History
0.00	Art History and Film Studies	Section 81.50 Department of Art History, Section 81.60 Mel Hoppenheim School of Cinema
0.00, G,K	Art History and Studio Art	Section 81.50 Department of Art History
0.00, G,K	Ceramics	Section 81.110 Department of Studio Arts
0.00, 10.12, G,K	Computation Arts and Computer Science	Section 81.90 Department of Design and Computation Arts
0.00, A	Contemporary Dance	Section 81.130 School of Performance
0.00, G,K	Design	Section 81.90 Department of Design and Computation Arts
0.00, G,K	Electroacoustic Studies	Section 81.130 School of Performance
0.00, G,K	Fibres and Material Practices	Section 81.110 Department of Studio Arts
0.00	Film and Moving Image Studies	Section 81.60 Mel Hoppenheim School of Cinema
0.00, G,K	Film Animation	Section 81.60 Mel Hoppenheim School of Cinema
0.00, G,K	Film Production	Section 81.60 Mel Hoppenheim School of Cinema
0.00, G,K	Intermedia (Video, Performance and Electronic Arts)	Section 81.110 Department of Studio Arts
0.00, A	Music	Section 81.130 School of Performance
0.00, G,K	Painting and Drawing	Section 81.110 Department of Studio Arts
0.00, G,K	Photography	Section 81.110 Department of Studio Arts
0.00, G,K	Print Media	Section 81.110 Department of Studio Arts
0.00, G,K	Sculpture	Section 81.110 Department of Studio Arts
0.00, G,K	Studio Art	Section 81.110 Department of Studio Arts

	Minors:	
0.00, G,K	Art Education – Visual Arts	Section 81.40 Department of Art Education
0.00	Art History	Section 81.50 Department of Art History
0.00, G	Cinema	Section 81.60 Mel Hoppenheim School of Cinema
0.00, G,K	Computation Arts	Section 81.90 Department of Design and Computation Arts
0.00, G,K	Electroacoustic Studies	Section 81.130 School of Performance
0.00	Film and Moving Image Studies	Section 81.60 Mel Hoppenheim School of Cinema
0.00, G,K	Film Animation	Section 81.60 Mel Hoppenheim School of Cinema
0.00, G,K	Game Design	Section 81.90 Department of Design and Computation Arts
0.00, Theory Test	Music	Section 81.130 School of Performance
0.00, G,K	Print Media	Section 81.110 Department of Studio Arts
0.00	Theatre	Section 81.130 School of Performance

	Microprograms:	
0.00, G	Fundamentals of Digital Filmmaking	Section 81.60 Mel Hoppenheim School of Cinema
0.00, G	Screenwriting and Film Producing	Section 81.60 Mel Hoppenheim School of Cinema
0.00, G	Web Design and User Interface	Section 81.90 Department of Design and Computation Arts

Transfer Students

Applicants who have completed courses in other colleges or universities may be granted transfer credits towards their program at Concordia University. These transfer credits will normally be awarded as general credits and as such may not be equivalent to specific first-year courses at Concordia.

Applicants to a second undergraduate degree must complete a minimum of 60 credits, other than those credited towards the first degree, at least 36 of which must be taken in the new field of specialization (Section 16.2.2 Residence Requirements under Section 16.2 Curriculum Regulations). Students transferring credits towards a first degree must complete a minimum of 45 credits at Concordia (see Section Section 16.2.2 Residence Requirements).

Students must complete all program and degree requirements, as well as the Faculty of Fine Arts residence requirements (see Section 81.20.2 Residence Requirements).

Mature Entry

General admission requirements to the 108-credit program (Mature Entry) are listed in Section 14 Alternative Entry under Mature Entry. Students admitted into the Faculty of Fine Arts through the Mature Entry plan are required to complete 18 credits in addition to the 90 credits normally required for the BFA degree.

Extended Credit Program

Definition of the Extended Credit Program (ECP) is listed in Section 13.2 Definitions. Students admitted to an Extended Credit Program in Fine Arts are required to complete an additional 30 credits for the degree. Transfer credits awarded for Ontario Academic Courses (OACs) must be applied towards the ECP portion of a student's degree program.

Section 81.20 Degree Requirements

Students preparing for the BFA degree require a minimum of 90 credits. Each credit represents, for the average student, a minimum of 45 hours of work spread across lectures, conferences, tutorials, studios, rehearsals or practice periods, tests, examinations, and personal work.

Section 81.20.1 BFA Degree Requirements

BFA

1. A candidate for the BFA degree must have qualified for admission to, and successfully completed a program of concentration in the form of a specialization (see Section 16.2.4 Concentration Requirements under Section 16.2 Curriculum Regulations) or major (see Section 16.2.4) program in the Faculty of Fine Arts. A selection is made upon entry, prior to registration. The requirement of selecting a program upon entry should not be thought of as being necessarily a final commitment. Students wishing to transfer out of one degree program must satisfy the admission requirements of the program they seek to enter. Program changes are, however, subject to limitations where certain programs are in great demand. Students should be aware that to effect certain transfers they may be required to complete more than the 90 credits normally required for the degree.
2. A candidate for graduation must satisfy the Fine Arts General Education requirement by successfully completing a minimum of six credits from course offerings outside the Fine Arts academic sectors (Visual Arts and Performing Arts). The nonFine Arts academic sectors are defined as: Humanities, Social Sciences, Sciences, Business, Engineering and Computer Science. BFA students graduating with the Joint Major in Computation Arts and Computer Science program or the Specialization in Art Education – Visual Arts will be considered as having satisfied the General Education requirement. The courses FLIT 382; COMS 301, COMS 304, COMS 416, COMS 434 can only be applied within a student's degree as electives from the Visual Arts sector and therefore do not fulfill the General Education requirement. This list is subject to modification.
3. A candidate for graduation must have successfully completed the courses FFAR 248 and FFAR 249.
4. A candidate for graduation normally may apply no more than 54 credits in studio work towards the 90 credits required for the BFA degree.
5. The credits obtained for any course may not be used to satisfy the requirements of more than one program.
6. Students may take a maximum of six ESL credits towards a 90 or 108credit degree, and a maximum of 12 credits towards the 120credit degree.

Section 81.20.2 Residence Requirements

Residence Requirements

Students are subject to the university residence requirement (see Section 16.2.2 Residence Requirements which states that of the 90 credits required for the BFA degree, a minimum of 45 credits must be taken at Concordia University. Combining both residence requirements implies that the fulltime student must enrol for a minimum of two years of study at Concordia University.
To fulfill the residence requirements for a BFA degree with a concentration in:

1. Ceramics, Fibres and Material Practices, Painting and Drawing, Print Media, Sculpture, or Studio Art: a minimum of 30 credits in Studio Art and six credits in Art History must be completed at Concordia.
2. Art Education – Visual Arts, Art History, Art History and Film Studies, Computation Arts, Design, Film and Moving Image Studies, Film Animation, Film Production, Photography, Contemporary Dance, or Intermedia (Video, Performance and Electronic Arts): at least half of the concentration requirements must be completed at Concordia.
3. Art History and Studio Art: at least half of the concentration requirements must be completed at Concordia, including a minimum of 15 credits in Art History and 15 credits in Studio Arts.

4. Performance Creation, Acting for the Theatre, or Scenography: a minimum of 30 credits from Theatre Programs must be completed at Concordia.
5. Music, Electroacoustic Studies, Jazz Studies, Music Performance, or Music Composition and Production: a minimum of 30 credits required from Music Programs must be completed at Concordia.
6. Minor programs: at least half of the required credits must be completed at Concordia.

Section 81.20.3 Course Load

The normal course load for students enrolled in the Faculty of Fine Arts is 30 credits per year for all fulltime students, and a maximum of 18 credits per year for parttime students.

1. Fulltime students may not register for more than 18 credits of their maximum 30 credits in any studio area in any given academic year. Parttime students may not register for more than 12 credits.
2. Students may register for a maximum of six credits in which films are produced as a course requirement during any given academic year. See Filmmaking Courses under Section 81.60 Mel Hoppenheim School of Cinema for list of courses. Also, students are limited, during their degree program, to 18 credits in Film Production or 24 credits in Film Animation courses in which films are produced as a course requirement (see Filmmaking Courses).
3. Students may register for a maximum of six credits in Theatre Production in any given academic year, up to a maximum of 18 credits in all.
4. Students may register for a maximum of six credits in Music Private Study in any given academic year, up to a maximum of 12 credits in the Major in Music degree program, and 18 credits in a specialization in music degree program.
5. Students may register for a maximum of nine credits in Independent Study courses in their degree program. In the case of disciplines not offering three-credit Independent Study courses, students may register for a maximum of two six-credit Independent Study courses in their degree program.

Section 81.20.4 Academic Performance Requirements

Academic Performance Requirements

The system used by the Faculty of Fine Arts to assess academic performance at the undergraduate level is based on the assessment grade point average (AGPA). See Section 16.3.10 Academic Performance for definition of AGPA.

Acceptable standing requires that a student obtain an AGPA of at least 2.00.

Note: Although a "C-" grade (1.70 grade points) is designated as satisfactory for an individual course in Section 16.1.11 Grading System, an AGPA of 2.00 is required to remain in acceptable standing.

Conditional standing results when a student obtains an AGPA of less than 2.00, but at least 1.50. A student is not permitted to obtain two consecutive conditional standing assessments.

Students in conditional standing may not write supplemental examinations and will not be permitted to register for further study until their program has been approved by the appropriate advisor in their Faculty or department. They must obtain acceptable standing at the time of their next assessment.

Failed standing results when a student obtains an AGPA of less than 1.50, or conditional standing in two consecutive periods of assessment. Failed students may not write supplemental examinations. In order to continue in their program, failed students must apply for readmission through Student Academic Services. If readmitted, failed students will be placed on academic probation. In addition, there may be other conditions determined by the Faculty at the time of readmission. Decisions of the relevant authority in the Faculty are final. Failed students wishing to be admitted to another Faculty must apply through the Dean's Office of the Faculty to which they wish to be admitted. Credits achieved at another institution while on failed standing may not be transferred

to a program at Concordia University. These credits, however, may be used to determine a student's potential for readmission. If 24 or more credits are successfully completed at another institution while on failed standing at Concordia, students will be required to submit a new application for program admission and not an application for readmission.

The Academic Performance Requirements for acceptable standing, conditional standing and failed standing do not apply to students enrolled in microprograms.

Graduation Requirements

Students must satisfy all course requirements, be in acceptable standing, and have a minimum final graduation GPA of 2.00. Students who fail to meet acceptable standing but meet conditional standing, or those who are readmitted from failed standing, will have the following options:

a) register for 12 credits and meet the requirements for acceptable standing;

or

b) register for fewer than 12 credits and meet the criteria for acceptable standing. In this case, the student's standing will be determined after adding the grade points obtained for these credits to those included in the calculation of the GPA of the last assessment period.

For both option a) and option b), the additional courses taken must be selected in consultation with the student's department.

Graduation Requirements for Microprograms

Students will be considered eligible to graduate from a microprogram if they have passed all of the required courses.

Section 81.20.5 Lapsed Program

Lapsed Program

Students enrolled in a specialization or major program in the Faculty of Fine Arts who have been absent from their program for six consecutive terms or more will be withdrawn from their program and have a lapsed notation entered on their student record. Students enrolled in a microprogram who have been absent for four consecutive terms or more will be withdrawn from their program and have a lapsed notation entered on their student record.

Lapsed students must meet with the appropriate advisor in order to resume their program and be made aware of possible program modifications. In some cases, students might be required to submit a new application.

Section 81.30 Interdisciplinary Studies in Fine Arts

Other Related Programs

Interdisciplinary Fine Arts Courses

Other Related Programs

The Major in Interdisciplinary Studies in Sexuality and the Minor in Interdisciplinary Studies in Sexuality, offered jointly by the Faculty of Arts and Science and the Faculty of Fine Arts, draw their curriculum from a variety of disciplines. Their purpose is to investigate empirical, theoretical, and creative aspects of sexuality.

Please refer to Section 31.560 Simone de Beauvoir Institute and Women's Studies for details.

Interdisciplinary Fine Arts Courses

Quick Links

Fine Arts Field School Course

Fine Arts Foundational Year Courses

Fine Arts Interdisciplinary Courses

Interdisciplinary Studies in Sexuality Courses

Fine Arts Field School Course

FAFS 398 Fine Arts Field School (3 credits)

(also listed as FAFS 660 and FAFS 860)

Prerequisite/Corequisite:

Students must complete 24 credits prior to enrolling. Permission of the Field School instructor is required.

Description:

This course offers hands-on, experiential learning in one or more disciplines in the Fine Arts via faculty-led travel to and residency at a festival, conference, exhibition or partner institution either locally, nationally, or internationally.

Component(s):

"Field Studies"

Notes:

- Students may be considered to repeat this course for credit, provided the subject matter is different each time. Students who have received credit for a field school under another course code may be considered to repeat this course for credit provided the subject matter is different.
- Students enrolled in this course are required to defray the costs of the field school.
- Students must apply for this course by submitting required documentation.

Fine Arts Foundational Year Courses

FFAR 248 Keywords: Engaging Across Disciplines in the Fine Arts (3 credits)

Description:

This core required course, aimed at first-year standing students with fewer than 30 credits completed in a Faculty of Fine Arts degree program, introduces key contemporary concepts, methods, and practices in the arts. Course content, assignments, and discussions work towards building experience in reflective and critical engagement, written and verbal

communication skills. Students gain a familiarity with theory in the context of local and global artistic communities, multidisciplinary and interdisciplinary artistic practices. Throughout, students engage in composition exercises, build a sensory and critical vocabulary of the arts, and collaborate across disciplines to assemble a tool kit for future research and creation in the fine arts.

Component(s):

"Lecture"; "Tutorial"

Notes:

- This is a required course for all Bachelor of/Baccalaureate in Fine Arts students. It is strongly recommended that students complete FFAR 248 in their first year.
- Students who have received credit for FFAR 250 may not take this course for credit.

FFAR 249 Keywords: Working Across Disciplines in the Fine Arts (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FFAR 248.

Description:

This core required course is aimed at first-year standing students with fewer than 30 credits completed in a Faculty of Fine Arts degree program. Building on the core skills acquired in FFAR 248, this course deepens interdisciplinary methods and practices in the fine arts by using keywords as central problems to explore contemporary concepts and create original work. The course is structured through lectures and tutorials in which activities and assignments focus on supporting a foundational understanding of research-creation work, and providing opportunities and tools to take risks, experiment, and collaborate beyond one's own discipline. Students complete the course with a research-creation project or research essay.

Component(s):

"Lecture"; "Tutorial"

Notes:

- This is a required course for all Bachelor of/Baccalaureate in Fine Arts students. It is strongly recommended that students complete this course in their first year.
- Students who have received credit for FFAR 250 may not take this course for credit.

Fine Arts Interdisciplinary Courses

Notes

The following courses are open to students outside the Faculty of Fine Arts. See the course notes regarding admission for students in Fine Arts programs.

FFAR 200 Introduction to Black Studies in the Canadian Context (3 credits)

(also listed as BLST 200)

Description:

This interdisciplinary course offers a broad introduction to Black Studies. Emphasis is placed on themes of Blackness in the Canadian context. This course introduces students to foundational texts and creative expressions covering histories, cultures, and philosophies, using debates and academic traditions of Black scholars in the field. Students develop critical vocabulary and frameworks through the study of Canada's diverse Black populations and of the African diaspora.

Component(s):

"Lecture"

Notes:

- Students who have received credit for BLST 200 may not take this course for credit.

FFAR 253 The City After Dark (3 credits)

Description:

This course explores how urban design and culture shape social interaction. It surveys the multiple meanings attributed to 'the night' through the lens of urban studies, human geography, sexuality studies, communication studies, and sociology, among others. Through analysis of and reflection on depictions of night, the course considers the binary constructions and representations of night and how those concepts have real world impacts.

Notes:

- This course may not be applied within a BFA degree or any Fine Arts specialization, major or minor program.
- Students who have received credit for this topic under a FFAR 298 number may not take this course for credit.

FFAR 254 Introduction to Food Studies: We Are What We Eat (3 credits)

Description:

This course is an interdisciplinary introduction to the cultural and social processes of food creation and consumption. Students make connections between various aspects of the food world and their own roles and responsibilities within the food system. Through an exploration, not only of things eaten, but also of food spaces and food-related activities — including design, studio arts, and architecture — students discover that interactions with food are not as matter-of-fact as often assumed.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a FFAR 298 number may not take this course for credit.

FFAR 255 Art of Film Animation (3 credits)

Description:

This course introduces animation to students with little or no background in cinema or animation studies. Topics covered include major producers of animation; concepts, such as character development; and individual artists and genres, such as anime. Upon completion of this course students are able to discuss cartoonality and naturalism as they relate to both mainstream and independent animation.

Component(s):

"Lecture"

Notes:

- This course cannot be applied within a BFA degree or any Fine Arts specialization, major or minor program.
- Students who have received credit for this topic under a FFAR 298 number may not take this course for credit.

FFAR 256 Hip Hop: Past/Present/Future (3 credits)

Description:

This course examines the subculture of hip hop in its contemporary and historic forms. Students study hip hop as a political and social movement that formed in reaction to the status quo in the United States and manifests through practices such as rapping, breakdancing and graffiti. The course covers a variety of media and perspectives through class discussions, self-directed writing, and assigned readings, which are oriented to increase the students' understanding of hip hop and its relationship to the changing nature of technology, corporate media, race relations and youth culture.

Component(s):

"Lecture"

Notes:

- This course may not be applied within a BFA degree or any Fine Arts specialization, major or minor program.
- Students who have received credit for this topic under a FFAR 298 number may not take this course for credit.

FFAR 257 History and Visual Culture of Gaming (3 credits)

Description:

This lecture course introduces students to digital games, their history and their relationship to contemporary art practices. Digital games are considered as a medium of play, social interaction and artistic expression. The course situates digital games in an (art) historical context in order to better understand concepts of play in a digital age and the relevance of games to current art practices, beginning with examples of earlier games and their role as material culture. Students then reconsider the roles played by the art, the artist and the player/gamer as they are situated at the intersection between art, play and technology. Class discussions address life in virtual spaces and the relationships of power, capital, gender, ethnicity and other identities to both games and contemporary digital media.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a FFAR 298 number may not take this course for credit.

FFAR 258 Cultural Histories of Contemporary Fashion (3 credits)

Description:

This course invites students to consider fashion as a key site for the construction of both the self and the social collective. Looking at a century of fashion and dress from a global perspective, the course explores decolonial approaches to studying fashion history and de-centres European fashion houses and the star system of designers as the only contributions of 20th-century fashion.

Component(s):

"Lecture"

Notes:

- This course cannot be applied within any Fine Arts specialization, major or minor program.
- Students who have received credit for this topic under a FFAR 298 number may not take this course for credit.

FFAR 259 Art Forms of Bollywood (3 credits)

Description:

This course is an introduction to one of the world's most popular film genres, Bollywood. The course offers, through screenings and lectures, an opportunity to study the theory, culture and historical development of the Indian films being produced in Mumbai/Bombay. The course focuses on specific themes covered in this popular yet often contested genre, studying the aesthetics and narrative styles of some prominent filmmakers from this industry.

Component(s):

"Lecture"

Notes:

- This course cannot be applied within any Fine Arts specialization, major or minor program.
- Students who have received credit for this topic under a FFAR 298 number may not take this course for credit.

FFAR 260 The Movie Soundtrack (3 credits)

Description:

This course focuses on the powerful auditory dimension of moving pictures. Since the late 1920s, a sophisticated discourse has been woven into the voice, sound effect and music recordings that accompany screen images, yet its presence and contribution is still largely unnoticed by the vast majority of viewers. Over the term, critical and listening skills are developed promoting a fuller appreciation and understanding of cinematic and televisual sound design, as well as teaching students how to use their ears as well as their eyes whenever the moving contents of a screen draw their attention.

Component(s):

"Lecture"

Notes:

- This course cannot be applied within any Fine Arts specialization, major or minor program.
- Students who have received credit for this topic under a FFAR 298 number may not take this course for credit.

FFAR 291 HIV/AIDS in the 20th Century: Historical, Cultural and Interdisciplinary Perspectives (3 credits)

(also listed as SOCI 2910)

Description:

This course is an interdisciplinary survey of the major issues and challenges of the AIDS pandemic before the year 2000, introducing students to a broadly based overview of its scientific, social and cultural impacts. Students examine the history of the pandemic and responses to it by governments, medical authorities, businesses, religious and community groups, as well as artists and cultural producers.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FFAR 290, FFAR 390, INTE 270, INTE 390, SOCI 290, SOCI 2910, SSDB 270, or for this topic under an INTE 298, INTE 398, COMS 399, or SOCI 399 number, may not take this course for credit.

FFAR 292 Cultural Studies and Creation in HIV/AIDS (3 credits)

(also listed as SOCI 292)

Description:

This interdisciplinary course examines the cultural, creative, and artistic responses to HIV/AIDS. Through the lens of diverse historical and contemporary forms of expression, course content and class discussions focus on pandemic-related narratives relevant to the intersections of race, gender and sexuality.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FFAR 290, INTE 270, INTE 390, SOCI 290, SOCI 292, SSDB 270, or for this topic under a FFAR 398, INTE 398, or SOCI 399 number, may not take this course for credit.

FFAR 298 Special Topics in Fine Arts (3 credits)

Description:

A course at the introductory level which provides an opportunity for the study of specialized aspects of Fine Arts.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

FFAR 299 Special Topics in Fine Arts (6 credits)

Description:

A course at the introductory level which provides an opportunity for the study of specialized aspects of Fine Arts.

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

FFAR 398 Special Topics in Fine Arts (3 credits)

Description:

A course which provides an opportunity for the study of specialized aspects of Fine Arts.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

FFAR 399 Special Topics in Fine Arts (6 credits)

Description:

A course which provides an opportunity for the study of specialized aspects of Fine Arts.

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

Interdisciplinary Studies in Sexuality Courses

FASS 293 Sexual Representation in the Arts (3 credits)

Description:

This introductory course surveys selected issues in sexual representation in the arts, primarily in the West. Media from the visual and performing arts including recent digital and interactive technologies are considered as well as various genres such as the classical nude, autobiography and pornography. The impact of the Sexual Revolution, feminism, and intersectionality is analyzed, with an emphasis on the diversity of sexualities and aesthetics in both the traditional and contemporary artistic environments. Although not a studio course, students may submit creative work undertaken independently as a course assignment.

Component(s):

"Lecture"

FASS 298 Special Topics in Sexuality and the Arts (3 credits)

Description:

This course offers a study of special topics at the intersection of sexuality and the arts.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

FASS 393 Queer and Trans Studies and Culture (3 credits)

Description:

This course surveys topics in queer, trans, and sexuality studies through the lens of culture. Examining queer and trans cultures alongside foundational texts in queer studies, trans studies, and related fields, the course considers contemporary thinking and cultural practices, such as sexual and gender norms and identities, subcultural communities and practices, queer aesthetics and art, and queer activism and politics.

Component(s):

"Lecture"

Section 81.40 Department of Art Education

Department of Art Education

Art Education Programs
- Art Education Program Notes
- BFA Specialization in Art Education – Visual Arts
- BFA Major in Art Education - Visual Arts
- Minor in Art Education – Visual Arts
- Section 81.40.1 Admission to the Specialization, Major, and Minor in Art Education – Visual Arts

Department of Art Education Courses

Department of Art Education

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/finearts/art-education.html

Department Objectives

The Art Education Department offers two teacher preparation programs that emphasize the student's development as artist, researcher, and professional. Students are expected to develop an artistic and teaching practice that connects conceptual understanding, critical reflection, and practical experience. The Major in Art Education – Visual Arts is a three-year program. In the first two years, students are introduced to the fundamentals of the field of art education. In the third year, students concentrate on professional practice and performance as community art educators in settings such as community centres, adult education programs, recreation programs, and museums.

The Specialization in Art Education – Visual Arts is a four-year program leading to teacher certification as an elementary- and secondary-school art specialist. The program conforms to the Ministère de l'Éducation du Québec (MEQ) requirements for an extended teaching practicum and preparation in visual arts. The number of practicum hours is determined by the MEQ and may be subject to change.

The Minor in Art Education – Visual Arts is a 24-credit program designed to give students familiarity and ability with the basics of the theory and practice of community arts education, and may be particularly useful to visual artists who anticipate that some project-based teaching work will supplement their studio practice.

Art Education Program Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the following sequence must be read in conjunction with Section 81.20 Degree Requirements.
- The BFA Specialization in Art Education – Visual Arts leads to teacher certification by the Ministère de l'Éducation du Québec (MEQ).
- TheBFA Major in Art Education – Visual Arts does not lead to teacher certification. Electives permit a wider choice in courses in preparation for graduate study in areas such as art therapy, museum education, recreation, and arts administration.

BFA Specialization in Art Education – Visual Arts

Program Requirements

Specialization in Art Education – Visual Arts (120 credits)

24 credits:

- ARTE 220 Foundations of Art Education (3.00)
- ARTE 230 Practicum: Observation and Analysis of Children's Learning (3.00)
- ARTE 320 Multidisciplinary Approaches to Art and Teaching (3.00)
- ARTE 330 Introduction to Community Art Education (3.00)
- ARTE 340 Art Education for Adolescents and Adults (3.00)
- ARTE 420 Art Education for Elementary School (3.00)
- ARTE 422 Art Education in the Secondary School I (3.00)
- ARTE 424 Art Education in the Secondary School II (3.00)

3 credits chosen from:

- EDUC 301 Integrating Computers into the Elementary Classroom (3.00)
- EDUC 305 Technology for Educational Change (3.00)

9 credits:

- ARTE 352 Light-Based Media (3.00)
- ARTE 354 Time-Based Media (3.00)
- ARTE 498 Special Topics in Inter-Related Media and Technologies (3.00)

15 credits:

- ARTE 421 Practicum in the Elementary School (3.00)
- ARTE 423 Practicum in the Secondary School I (3.00)
- ARTE 425 Practicum in the Secondary School II (9.00)

6 credits chosen from ARTE 398 offerings

6 credits:

- FFAR 248 Keywords: Engaging Across Disciplines in the Fine Arts (3.00)
- FFAR 249 Keywords: Working Across Disciplines in the Fine Arts (3.00)

12 credits:

- DRAW 200 Drawing I (6.00)
- PTNG 200 Painting I (6.00)

6 credits of Studio Art courses chosen from:

- CERA 230 Ceramics I (6.00)
- FBRS 240 Fibre Structures I (6.00)
- FBRS 260 Textile Printing and Dyeing I (6.00)
- SCUL 211 Sculpture as Decolonial Practices (3.00)
- SCUL 212 Sculpture and Material Practices (3.00)

6 credits of Studio Art electives

6 credits chosen from Art History Group C Art in Canada

6 credits of Studio Art or Art History electives

6 credits of free electives

15 credits:

- EDUC 210 Psychology of Education (6.00)
- EDUC 445 Education in Quebec (3.00)
- EDUC 450 The Inclusive Classroom: Educating Exceptional Children (3.00)
- EDUC 454 Diversity in the Classroom (3.00)

Notes

- The BFA Specialization in Art Education – Visual Arts leads to teacher certification by the Ministère de l'Éducation du Québec (MEQ).
- To be recommended to the Quebec Teachers Certification Service for a Quebec permanent teaching diploma, students must satisfy the English language proficiency requirements of the program.
- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Academic Standing

To remain in good academic standing in the specialization and be recommended for the Quebec Art Specialist teaching permit, students must:

1. Achieve at least a "B" grade in the practicum courses ARTE 421, ARTE 423, and ARTE 425. Students who fail any of these courses are required to withdraw from the specialization program. Students who obtain a passing grade in any of these courses that is below a "B" will be placed on conditional standing within the program and will be so informed in writing. These students will be allowed to repeat the practicum only once in order to achieve the required grade. Students who do not achieve the required grade in the repeated course will be required to withdraw from the specialization program.
2. Maintain an overall grade average of "B-" or higher in courses of the third and fourth years. Students who do not maintain the minimum grade average during that time will be required to withdraw from the specialization program. Note: ARTE 423 is evaluated on a pass/fail basis and therefore is not included in the calculation of the grade point average.
3. To be recommended to the Quebec Teachers Certification Service for a Quebec permanent teaching diploma, students must satisfy the English language proficiency requirements of the program.

BFA Major in Art Education - Visual Arts

Program Requirements

Major in Art Education - Visual Arts (66 credits)

21 credits:

- ARTE 220 Foundations of Art Education (3.00)
- ARTE 230 Practicum: Observation and Analysis of Children's Learning (3.00)
- ARTE 320 Multidisciplinary Approaches to Art and Teaching (3.00)
- ARTE 330 Introduction to Community Art Education (3.00)
- ARTE 340 Art Education for Adolescents and Adults (3.00)
- ARTE 432 Community Art Education: Theory and Practice (3.00)
- ARTE 434 Professional Practice for Art Educators (3.00)

6 credits of Studio Art courses chosen from:

- CERA 230 Ceramics I (6.00)
- FBRS 240 Fibre Structures I (6.00)
- FBRS 260 Textile Printing and Dyeing I (6.00)
- PTNG 200 Painting I (6.00)
- SCUL 211 Sculpture as Decolonial Practices (3.00)
- SCUL 212 Sculpture and Material Practices (3.00)

6 credits of Studio Art electives

3 credits:

- ARTE 398 Special Topics in Art Education (3.00)

6 credits:

- DRAW 200 Drawing I (6.00)

6 credits chosen from:

- ARTE 352 Light-Based Media (3.00)
- ARTE 354 Time-Based Media (3.00)
- ARTE 398 Special Topics in Art Education (3.00)
- ARTE 498 Special Topics in Inter-Related Media and Technologies (3.00)

6 credits of Art History electives

6 credits of Studio Art or Art History electives

6 credits:

- EDUC 210 Psychology of Education (6.00)

Notes

- This program does not lead to teacher certification.
- Electives permit a wider choice in courses in preparation for graduate study in areas such as art therapy, museum education, recreation, and arts administration.
- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Art Education – Visual Arts

Program Requirements

Minor in Art Education – Visual Arts (24 credits)

15 credits:

- ARTE 201 Art in Early Childhood I (3.00)
- ARTE 320 Multidisciplinary Approaches to Art and Teaching (3.00)
- ARTE 330 Introduction to Community Art Education (3.00)
- ARTE 432 Community Art Education: Theory and Practice (3.00)
- ARTE 434 Professional Practice for Art Educators (3.00)

9 credits of Art Education courses chosen from:

- ARTE 352 Light-Based Media (3.00)
- ARTE 354 Time-Based Media (3.00)
- ARTE 398 Special Topics in Art Education (3.00)
- ARTE 498 Special Topics in Inter-Related Media and Technologies (3.00)

Note: Students may take up to six credits in ARTE 398.

Notes

- This program may be especially useful for students in the Major in Studio Art or combined Major in Art History and Studio Art who wish to learn the basics of community arts theory and practice.
- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Section 81.40.1 Admission to the Specialization, Major, and Minor in Art Education – Visual Arts

Admission

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Art Education – Visual Arts and the Minor in Art Education – Visual Arts. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process.

For more information concerning these additional requirements and submission deadline dates, please visit the following website: concordia.ca/finearts/future-students/applying-undergraduate.

All successful applicants interested in the Specialization in Art Education – Visual Arts are automatically enrolled in the Major in Art Education – Visual Arts. The Specialization in Art Education – Visual Arts is offered at the thirdyear and fourthyear levels. Upon completion of the second year (completion of 60 credits including ARTE 220, ARTE 230, ARTE 320, ARTE 330), students in the Major in Art Education – Visual Arts may apply for transfer to the Specialization in Art Education – Visual Arts program. Admission to the Specialization in Art Education – Visual Arts is assessed on the basis of overall GPA, grades for ARTE core courses (ARTE 220, 230, 320, 330), and application materials. Students must apply to the Department by the deadline of March 1. Each year, a limited number of students are admitted into the Specialization in Art Education – Visual Arts Program from this application process.

Passing the English Exam for Teacher Certification (EETC) is required before taking the final two internships (ARTE 423, ARTE 425).

Criminal background checks are required for all internships.

Department of Art Education Courses

ARTE 201 Art in Early Childhood I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Early Childhood, the Major in Child Studies, or the Minor in Art Education – Visual Arts is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course offers an introductory study of the art-making process in early childhood. This course is a studio workshop which investigates potential media and teaching approaches appropriate for the young child.

Component(s):

"Studio"

Notes:

- Students enrolled in the Major in Art Education – Visual Arts or the Specialization in Art Education – Visual Arts programs may not take this course for credit.

ARTE 202 Art in Early Childhood II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTE 201.

Description:

A continuation of ARTE 201.

Component(s):

"Studio"

Notes:

- Students enrolled in the Major in Art Education – Visual Arts or the Specialization in Art Education – Visual Arts programs may not take this course for credit.

ARTE 220 Foundations of Art Education (3 credits)

Description:

This course provides a survey of content and contexts of art education. In studio activities, students explore art-making skills and techniques, creative expression, and art in society. This content is related to lesson planning for schools, museums, and community settings. Students are introduced to the foundational connections between artistic practice and art education. By reflecting systematically on artistic practices, course readings and resources, and in-class activities, students will consider, design, and implement art curricula and pedagogies. Teaching experiences will include peer workshops.

Component(s):

"Studio"

ARTE 230 Practicum: Observation and Analysis of Children's Learning (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTE 220.

Description:

This practicum course gives students first-hand experience and knowledge of children's learning as it occurs in schools. It also provides students with a theoretical framework for observing and analyzing individual and group learning processes in the elementary classroom. It permits students to develop preliminary skills in assessing and meeting the needs of individual children. Students are introduced to methods for evaluating learning and for critically reflecting on learning and teaching. The practicum experience consists of a placement in a primary school one day a week for a total of 70 hours.

Component(s):

"Studio"; "Practicum/Internship/Work Term"

Notes:

- A criminal background check is required for this and all internship courses.

ARTE 320 Multidisciplinary Approaches to Art and Teaching (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTE 230. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course investigates various creative, historical, and critical approaches to art as a basis for developing curriculum content. Students expand their repertoire of skills and techniques for planning and teaching lessons with multiple dimensions. Students also consider the specific requirements of diverse student populations that may vary by age, disability, ability, identity, and experience. This course may include a practicum component.

Component(s):

"Studio"

ARTE 330 Introduction to Community Art Education (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTE 320. If prerequisites are not satisfied, permission of the Department is required.

Description:

The course investigates the various issues and concerns related to community art education. Students develop skills in assessing community needs. After observation and studio research, students develop and propose an art education curriculum for a specific community setting or population. This course includes a practicum component.

Component(s):

"Studio"; "Practicum/Internship/Work Term"

Notes:

- A criminal background check is required for this and all internship courses.

ARTE 340 Art Education for Adolescents and Adults (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits in the Major in Art Education or the Specialization in Art Education – Visual Arts. prior to enrolling.

Description:

Students are introduced to theories of adolescent and adult learning, and how these are practised as teaching methods. Students learn about different types of group management and support techniques appropriate for adolescent and adult students. The course presents ways to effectively build relationships with learners over the age of 13, as well as strategies to plan and deliver programming in community settings or curriculum in school settings.

Component(s):

"Lecture"

ARTE 352 Light-Based Media (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Students develop proficiency in a variety of imaging processes, including traditional and digital photography, that are suitable for school or community art education programs. Students investigate related approaches to teaching and curriculum.

Component(s):

"Studio"

Notes:

- Students are expected to have basic computing skills or to have completed INTE 290 before registering for this course.

ARTE 354 Time-Based Media (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

Students develop proficiency in a variety of time-based media, including video and multimedia installations that are suitable for school or community art education programs. Students investigate related approaches to teaching and curriculum.

Component(s):

"Studio"

Notes:

- Students are expected to have basic computing skills or to have completed INTE 290 before registering for this course.

ARTE 398 Special Topics in Art Education (3 credits)

Description:

This course provides an opportunity for the study of specialized aspects of art education. Topics chosen for consideration vary from year to year.

ARTE 420 Art Education for Elementary School (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTE 330. The following course must be completed concurrently: ARTE 421.

Description:

Students apply theories of development and learning to design appropriate lessons for elementary school practicum settings. The course explores currently available teaching resources such as textbooks, MEQ curriculum, and communication technologies. The course also investigates processes and procedures for assessment appropriate to an elementary art classroom.

Component(s):

"Lecture"

ARTE 421 Practicum in the Elementary School (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTE 330. The following course must be completed concurrently: ARTE 420.

Description:

Student teachers observe and assist an elementary school classroom teacher in the development and implementation of an effective art program during a practicum of 140 hours. Student teachers also observe the social and cultural dynamics of the school and initiate positive interactions with their students and professional colleagues.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- A minimum grade of B is required in this course to remain in good academic standing in the specialization and be recommended for the Quebec Art Specialist teaching permit.
- A criminal background check is required for this and all internship courses.

ARTE 422 Art Education in the Secondary School I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ARTE 420, ARTE 421. The following course must be completed concurrently: ARTE 423.

Description:

A lecture/seminar course where students identify themes and concerns that are appropriate to secondary- school students with diverse backgrounds. Students explore the currently available teaching resources such as MEQ curriculum and others, textbooks and communication technology.

Component(s):

"Lecture"

ARTE 423 Practicum in the Secondary School I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ARTE 420, ARTE 421, EDUC 200. The following course must be completed concurrently: ARTE 422.

Description:

Student teachers observe and assist a secondary-school art specialist in the development and implementation of an effective art program during a practicum of 140 hours. Student teachers also observe the social and cultural dynamics of the school and initiate positive interactions with their students and professional colleagues.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- A minimum grade of B is required in this course to remain in good academic standing in the specialization and be recommended for the Quebec Art Specialist teaching permit.
- A criminal background check is required for this and all internship courses.

ARTE 424 Art Education in the Secondary School II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ARTE 422, ARTE 423. The following course must be completed concurrently: ARTE 425.

Description:

The course concentrates on the objectives, goals, and content of the MEQ Secondary School Curriculum Guidelines in visual arts. Students analyze, reflect on, and evaluate their own practice and philosophy of art learning and teaching within the wider context of school and society. The course also provides guidance in preparing students to enter the professional teaching environment.

Component(s):

"Lecture"

ARTE 425 Practicum in the Secondary School II (9 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ARTE 422 , ARTE 423 .The following course must be completed concurrently: ARTE 424.

Description:

This course is a 350-hour teaching practicum in a secondary school. Student teachers implement curriculum planning and classroom management that respects ethnic, socio-economic, and cultural diversity, and that successfully integrates students with special needs. Student teachers also apply safe use of art materials and appropriate art learning assessment procedures.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- A minimum grade of B is required in this course to remain in good academic standing in the specialization and be recommended for the Quebec Art Specialist teaching permit.
- A criminal background check is required for this and all internship courses.

ARTE 432 Community Art Education: Theory and Practice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTE 330. If prerequisites are not satisfied, permission of the Department is required.

Description:

Students connect theory and practice by planning and teaching appropriate art events for a particular community setting or population. Students investigate organizational and administrative approaches necessary for successful community art education programming.

Component(s):

"Studio"; "Practicum/Internship/Work Term"

Notes:

- A criminal background check is required for this and all internship courses.

ARTE 434 Professional Practice for Art Educators (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTE 432.

Description:

Students develop, teach, and then evaluate an art program during a practicum in a community setting. Students formulate and express a philosophy of teaching art in a community setting that connects theory, critical thinking, reflective practice and fieldwork experience. Students investigate entrepreneurial skills needed to market community art programs. Students must complete a practicum in a community setting.

Component(s):

"Studio"; "Practicum/Internship/Work Term"

Notes:

- A criminal background check is required for this and all internship courses.

ARTE 498 Special Topics in Inter-Related Media and Technologies (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits in the Major or Specialization in Art Education – Visual Arts. prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an opportunity for the study of specialized aspects of art education. Topics chosen for consideration vary from year to year.

Notes:

- Students are expected to have intermediate computing skills in image-manipulation processes, word processing, and Internet searches.

Section 81.50 Department of Art History

Department of Art History

Art History Programs

Art History

BFA Major in Art History

Minor in Art History

Art History and Film Studies

BFA Major in Art History and Film Studies

Art History and Studio Art

BFA Major in Art History and Studio Art

Art History Course Groups

Section 81.50.1 Admission to Art History, Art History and Film Studies, and Art History and Studio Art Programs

Art History Co-operative Program

Department of Art History Courses

Department of Art History

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/finearts/art-history.html

Department Objectives

Art History provides the student scholar and the student artist with an understanding of creative and visual responses to the world in both the past and the present. Art History is a lively, at times even controversial, discipline that encourages the study of art objects with its historical, cultural, political, social, and economic contexts. The Department of Art History offers a full range of courses which allows the student to concentrate on particular art historical concerns or to investigate diverse issues within the discipline. Students can explore the multidisciplinary aspects of art history for graduate study and for future careers in a variety of fields including museums, galleries and libraries, conservation, education, journalism, and research. The Department of Art History offers major and minor programs, providing students with a solid foundation in the critical inquiries involved in a full understanding of the work of art and its context. Also available are the Major in Art History and Studio Art that balances studio work with art historical and theoretical studies, and the Major in Art History and Film Studies which examines art and film from related perspectives.

BFA Major in Art History

Program Requirements

Major in Art History (66 credits)

6 credits:

- ARTH 201 Perspectives of Art History I (3.00)
- ARTH 202 Perspectives of Art History II (3.00)

Note: ARTH 201 and ARTH 202 should be taken as part of the first 30 credits.

3 credits:

- ARTH 300 Art Historical Methods (3.00)

Note: ARTH 300 should be taken as part of the first 60 credits.

6 credits chosen from Art History Group A — Media Based Studies

3 credits chosen from the following Art History Group B — Period Studies courses:

- ARTH 360 Studies in Ancient Greek Art and Architecture (3.00)
- ARTH 361 Studies in Ancient Roman Art and Architecture (3.00)
- ARTH 362 Studies in Early Christian and Byzantine Art and Architecture (3.00)

3 credits chosen from the following Art History Group B — Period Studies courses:

- ARTH 363 Studies in Medieval Art and Architecture (3.00)
- ARTH 364 Studies in Renaissance Art and Architecture (3.00)
- ARTH 365 Studies in 17th- and 18th-Century Art and Architecture (3.00)

3 credits chosen from the following Art History Group B — Period Studies courses:

- ARTH 366 Studies in 19th-Century Art and Architecture (3.00)
- ARTH 367 Studies in 20th-Century Art and Architecture (3.00)
- ARTH 368 Studies in Contemporary Art and Architecture (3.00)

3 credits chosen from Art History Group B — Period Studies

6 credits chosen from Art History Group C — Art in Canada

6 credits chosen from Art History Group D — Theory and Criticism

3 credits chosen from Art History Group E — Art and Society

6 credits chosen from:

- ARTH 400 Advanced Seminar in Art Historical Method (3.00)
- ARTH 450 Advanced Seminar in the History of Art and Architecture (3.00)
- ARTH 498 Special Topics in the History of Art and Architecture (3.00)

18 credits chosen from at least three Art History Groups. Students may substitute up to 12 credits from the Faculty of Fine Arts.

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Art History

Program Requirements

Minor in Art History (30 credits)

6 credits:

- ARTH 201 Perspectives of Art History I (3.00)
- ARTH 202 Perspectives of Art History II (3.00)

Note: ARTH 201 and ARTH 202 should be taken as part of the first 30 credits.

3 credits:

- ARTH 300 Art Historical Methods (3.00)

Note: ARTH 300 should be taken as part of the first 60 credits.

21 credits of Art History electives chosen from at least three Art History Groups, in consultation with an assigned advisor

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Major in Art History and Film Studies

Program Requirements

Major in Art History and Film Studies (60 credits)

6 credits:

- ARTH 201 Perspectives of Art History I (3.00)
- ARTH 202 Perspectives of Art History II (3.00)

Note: ARTH 201 and ARTH 202 should be taken as part of the first 30 credits.

3 credits:

- ARTH 300 Art Historical Methods (3.00)

Note: ARTH 300 should be taken as part of the first 60 credits.

3 credits chosen from:

- ARTH 353 Technology and Contemporary Art (3.00)
- ARTH 354 Studies in Interdisciplinarity in the Visual Arts (3.00)

6 credits chosen from:

- ARTH 366 Studies in 19th-Century Art and Architecture (3.00)
- ARTH 367 Studies in 20th-Century Art and Architecture (3.00)
- ARTH 368 Studies in Contemporary Art and Architecture (3.00)

3 credits chosen from:

- ARTH 370 Studies in Canadian Art (3.00)
- ARTH 371 Studies in Canadian Architecture (3.00)
- ARTH 372 Issues in Contemporary Canadian Architecture (3.00)
- ARTH 373 Issues in Contemporary Canadian Art (3.00)
- ARTH 374 Architecture and Urbanism in Montreal (3.00)
- ARTH 375 Issues in the Montreal Art Milieu (3.00)
- ARTH 376 Topics in Indigenous Art (3.00)

3 credits chosen from:

- ARTH 379 Postcolonial Theory in Art History (3.00)
- ARTH 381 Feminism and Art History (3.00)

- ARTH 383 Art and Philosophy (3.00)
- ARTH 384 Theories of Representation (3.00)
- ARTH 385 Colour: Theory and Application in the Visual Arts (3.00)
- ARTH 386 Art and the Viewer (3.00)
- ARTH 387 Issues in Art and Criticism (3.00)
- ARTH 388 Narration and Art (3.00)
- ARTH 389 Issues in Ethnocultural Art Histories (3.00)
- ARTH 391 Art and Its Changing Contexts (3.00)
- ARTH 392 Gender Issues in Art and Art History (3.00)
- ARTH 400 Advanced Seminar in Art Historical Method (3.00)

3 credits of Art History electives

3 credits:

- FMST 220 Film Analysis (3.00)

Note: FMST 220 should be taken as part of the first 30 credits.

3 credits chosen from:

- FMST 222 Topics in Film Aesthetics (3.00)
- FMST 223 Montage Aesthetic (3.00)
- FMST 224 Moving Camera Aesthetic (3.00)

6 credits chosen from:

- FMST 201 Film History I (3.00)
- FMST 202 Film History II (3.00)
- FMST 203 Film History III (3.00)

Note: One of FMST 201, FMST 202 or FMST 203 should be taken as part of the first 30 credits.

3 credits chosen from:

- FMST 214 Canadian Cinema (3.00)
- FMST 215 Le cinéma québécois (3.00)
- FMST 217 First Peoples' Cinema (3.00)

6 credits chosen from:

- FMST 204 Approaches to Film and Moving Image Studies I (3.00)

- FMST 205 Approaches to Film and Moving Image Studies II (3.00)
- FMST 315 Introduction to Film Theory (3.00)
- FMST 316 Film and Moving Image Cultures (3.00)
- FMST 317 Transnational Approaches to Cinema (3.00)
- FMST 319 The Moving Image and Society (3.00)
- FMST 320 Digital Media and Animation (3.00)

3 credits of Film Studies electives

3 credits chosen from 400-level Film Studies electives

3 credits chosen from:

- ARTH 348 Special Topics in Art and Film (3.00)
- FMST 348 Special Topics in Art and Film (3.00)

Note: The following courses are cross-listed:

ARTH 348 and FMST 348

3 credits chosen from:

- ARTH 448 Advanced Seminar in Art and Film (3.00)
- FMST 448 Advanced Seminar in Art and Film (3.00)

Note: The following courses are cross-listed:

ARTH 448 and FMST 448

Note: The Major in Art History and Film Studies is offered jointly with the Mel Hoppenheim School of Cinema.

Notes

- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.
- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Major in Art History and Studio Art

Program Requirements

Major in Art History and Studio Art (60 credits)

6 credits:

- ARTH 201 Perspectives of Art History I (3.00)
- ARTH 202 Perspectives of Art History II (3.00)

Note: ARTH 201 and ARTH 202 should be taken as part of the first 30 credits.

3 credits:

- ARTH 300 Art Historical Methods (3.00)

Note: ARTH 300 should be taken as part of the first 60 credits.

21 credits of Art History electives

18 credits of Studio Arts electives

12 credits of Studio Arts courses at the 200 and 300 level, chosen from one of the following areas:

Art Studio Courses

Ceramics Courses

Drawing Courses

Fibres and Material Practices Courses

Intermedia (Video, Performance and Electronic Arts) Courses

Painting Courses

Print Media Courses

Sculpture Courses

Note: The Major in Art History and Studio Art is offered jointly with the Department of Studio Arts

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Art History Course Groups

Art History Group A — Media Based Studies

- ARTH 262 Aspects of the History of Drawing (3.00)
- ARTH 263 Aspects of the History of the Print (3.00)
- ARTH 264 Aspects of the History of Ceramics (3.00)
- ARTH 265 Aspects of the History of Sculpture (3.00)
- ARTH 266 Aspects of the History of Fibre Art (3.00)
- ARTH 267 Aspects of the History of Photography (3.00)
- ARTH 348 Special Topics in Art and Film (3.00)
- ARTH 349 Studies in the History of the Print (3.00)
- ARTH 350 Studies in the History of Ceramics (3.00)
- ARTH 351 Studies in the History of Sculpture (3.00)
- ARTH 352 Studies in the History of Fibre Art (3.00)
- ARTH 353 Technology and Contemporary Art (3.00)
- ARTH 354 Studies in Interdisciplinarity in the Visual Arts (3.00)
- ARTH 355 Studies in Architecture (3.00)
- ARTH 356 Studies in the Materials and Processes of Art (3.00)
- ARTH 357 Studies in the History of Craft and the Decorative Arts (3.00)
- ARTH 358 Studies in the History of Media Art (3.00)
- ARTH 359 Studies in Contemporary Photographic Art (3.00)
- ARTH 448 Advanced Seminar in Art and Film (3.00)

Art History Group B — Period Studies

- ARTH 270 Icons of Architectural History (3.00)
- ARTH 360 Studies in Ancient Greek Art and Architecture (3.00)
- ARTH 361 Studies in Ancient Roman Art and Architecture (3.00)
- ARTH 362 Studies in Early Christian and Byzantine Art and Architecture (3.00)
- ARTH 363 Studies in Medieval Art and Architecture (3.00)
- ARTH 364 Studies in Renaissance Art and Architecture (3.00)
- ARTH 365 Studies in 17th- and 18th-Century Art and Architecture (3.00)

- ARTH 366 Studies in 19th-Century Art and Architecture (3.00)
- ARTH 367 Studies in 20th-Century Art and Architecture (3.00)
- ARTH 368 Studies in Contemporary Art and Architecture (3.00)
- ARTH 369 Studies in Middle Eastern Art and Architecture (3.00)
- ARTH 450 Advanced Seminar in the History of Art and Architecture (3.00)
- ARTH 498 Special Topics in the History of Art and Architecture (3.00)

Art History Group C — Art in Canada

- ARTH 271 Introduction to Canadian Art (3.00)
- ARTH 272 From Realism to Abstraction in Canadian Art (3.00)
- ARTH 370 Studies in Canadian Art (3.00)
- ARTH 371 Studies in Canadian Architecture (3.00)
- ARTH 372 Issues in Contemporary Canadian Architecture (3.00)
- ARTH 373 Issues in Contemporary Canadian Art (3.00)
- ARTH 374 Architecture and Urbanism in Montreal (3.00)
- ARTH 375 Issues in the Montreal Art Milieu (3.00)
- ARTH 376 Topics in Indigenous Art (3.00)

Art History Group D — Theory and Criticism

- ARTH 201 Perspectives of Art History I (3.00)
- ARTH 202 Perspectives of Art History II (3.00)
- ARTH 300 Art Historical Methods (3.00)
- ARTH 379 Postcolonial Theory in Art History (3.00)
- ARTH 380 Histories of Art History (3.00)
- ARTH 381 Feminism and Art History (3.00)
- ARTH 383 Art and Philosophy (3.00)
- ARTH 384 Theories of Representation (3.00)
- ARTH 385 Colour: Theory and Application in the Visual Arts (3.00)
- ARTH 386 Art and the Viewer (3.00)
- ARTH 387 Issues in Art and Criticism (3.00)

- ARTH 389 Issues in Ethnocultural Art Histories (3.00)
- ARTH 400 Advanced Seminar in Art Historical Method (3.00)

Art History Group E — Art and Society

- ARTH 283 The Life and Work of ... (3.00)
- ARTH 290 Art History and Archaeology (3.00)
- ARTH 298 Special Topics in Genre Studies (3.00)
- ARTH 388 Narration and Art (3.00)
- ARTH 390 Art and the Museum (3.00)
- ARTH 391 Art and Its Changing Contexts (3.00)
- ARTH 392 Gender Issues in Art and Art History (3.00)
- ARTH 396 Art and Culture (3.00)
- ARTH 398 Special Topics in Art and Society (3.00)

Art History Group F — Tutored Studies

- ARTH 401 Independent Studies in Art History (3.00)
- ARTH 403 Internship (3.00)

Section 81.50.1 Admission to Art History, Art History and Film Studies, and Art History and Studio Art Programs

There are no specific courses or procedures required for the Major and Minor in Art History and the Major in Art History and Film Studies other than the successful completion of a two-year pre-university Cegep program (or equivalent).

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Art History and Studio Art. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process.

For more information concerning these additional requirements and submission deadline dates, please visit the following website: concordia.ca/finearts/future-students/applying-undergraduate.

Art History Co-operative Program

The Co-op Program

Note: Admission to the Art History co-op program has been suspended until further notice.

The Art History co-operative program is available to selected students who are enrolled in the BFA program and are majoring in Art History. The academic content of the co-op program is identical to the regular program with some specific recommendations for courses designed to improve and enhance the student's quality of work performance. While it is hoped that most of the positions will be in the Montreal area, students must be prepared to work in other parts of Canada. Please see Institute for Co-operative Education for specific details concerning the curriculum.

Department of Art History Courses

ARTH 201 Perspectives of Art History I (3 credits)

Description:

This course provides an overview of art and architectural history from approximately pre-history to 1300 CE, taught within a roughly chronological framework. The material taught includes a selective examination of canonical figures, movements, periods and thematic issues, not limited to Western art history.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students in Art History programs should complete this course as part of their first 30 credits.
- Students who have received credit for ARTH 200 may not take this course for credit.

ARTH 202 Perspectives of Art History II (3 credits)

Description:

This course provides an overview of art and architectural history from approximately 1300 CE to the present, taught within a roughly chronological framework. The material taught includes a selective examination of canonical figures, movements, periods and thematic issues, not limited to Western art history.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students in Art History programs should complete this course as part of their first 30 credits.
- Students who have received credit for ARTH 200 may not take this course for credit.

ARTH 262 Aspects of the History of Drawing (3 credits)

Description:

A selective examination of drawing as an art form and of its relation to painting and other visual arts.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 263 Aspects of the History of the Print (3 credits)

Description:

A selective examination of the development and uses of the print.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 264 Aspects of the History of Ceramics (3 credits)

Description:

A selective examination of the development and uses of ceramics.

Component(s):

"Lecture"

ARTH 265 Aspects of the History of Sculpture (3 credits)

Description:

A selective examination of the development and uses of sculpture.

Component(s):

"Lecture"

ARTH 266 Aspects of the History of Fibre Art (3 credits)

Description:

A selective examination of the development of fibre art.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 267 Aspects of the History of Photography (3 credits)

Description:

A selective examination of the development and uses of photography.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PHOT 250 may not take this course for credit.

ARTH 270 Icons of Architectural History (3 credits)

Description:

A study of key buildings and the vocabulary of architecture.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 271 Introduction to Canadian Art (3 credits)

Description:

This course is an introduction to selected subjects and themes in Quebec and Canadian art.

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 272 From Realism to Abstraction in Canadian Art (3 credits)

Description:

This course is an introduction to ideas and techniques associated with the transition from representationalism to abstraction in 19th- and 20th-century Quebec and Canadian art.

ARTH 283 The Life and Work of ... (3 credits)

Description:

A critical examination of an artist's life and work.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 290 Art History and Archaeology (3 credits)

Description:

A selective examination of the relationship between art history and archaeology.

Component(s):

"Lecture"

ARTH 298 Special Topics in Genre Studies (3 credits)

Description:

Topics pertaining to categories of subject matter such as landscape, portraiture, and still life.

ARTH 300 Art Historical Methods (3 credits)

Description:

An in-depth examination of the methods used in art history to analyze and interpret works of art.

Component(s):

"Lecture"; "Tutorial"

Notes:

- Students in Art History programs should complete this course as part of their first 60 credits.

ARTH 348 Special Topics in Art and Film (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ARTH 201; ARTH 202; one of FMST 201 or FMST 202 or FMST 203; FMST 220. Enrolment in the Major in Art History and Film Studies is required. If prerequisites are not satisfied, permission of the program director is required.

Description:

A comparative examination of some aspects of art history and film studies.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- Students who have received credit for FMST 348 may not take this course for credit.

ARTH 349 Studies in the History of the Print (3 credits)

Description:

An examination of selected subjects in the history of the print.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 350 Studies in the History of Ceramics (3 credits)

Description:

An examination of selected subjects in the history of ceramics.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 351 Studies in the History of Sculpture (3 credits)

Description:

An examination of selected subjects in the history of sculpture.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 352 Studies in the History of Fibre Art (3 credits)

Description:

An examination of selected subjects in the history of fibre art.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 353 Technology and Contemporary Art (3 credits)

Description:

A selective examination of the relationship between technology and contemporary art.

Component(s):

"Lecture"

ARTH 354 Studies in Interdisciplinarity in the Visual Arts (3 credits)

Description:

A selective examination of historical and contemporary art that utilizes a number of media.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 355 Studies in Architecture (3 credits)

Description:

An examination of the role and implications of selected materials and technology in architecture.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 356 Studies in the Materials and Processes of Art (3 credits)

Description:

An examination of selected historical and contemporary materials and processes of art.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 357 Studies in the History of Craft and the Decorative Arts (3 credits)

Description:

Selected subjects in the history of craft and the decorative arts as forms of material culture.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 358 Studies in the History of Media Art (3 credits)

Description:

A selective examination of new media art since the 1990s, including the historical development, thematic content, and conceptual strategies for such practices as video art, projection installation and performance, and experimental film.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 359 Studies in Contemporary Photographic Art (3 credits)

Description:

A selective examination of recent photographic art.

Component(s):

"Lecture"

Notes:

- Students who have received credit for PHOT 250 may not take this course for credit.

ARTH 360 Studies in Ancient Greek Art and Architecture (3 credits)

Description:

Selected subjects in the art and architectural production of Ancient Greece.

Component(s):

"Lecture"

ARTH 361 Studies in Ancient Roman Art and Architecture (3 credits)

Description:

Selected subjects in the art and architectural production of Ancient Rome.

Component(s):

"Lecture"

ARTH 362 Studies in Early Christian and Byzantine Art and Architecture (3 credits)

Description:

Selected subjects in the art and architectural production of Early Christian and Byzantine cultures.

Component(s):

"Lecture"

ARTH 363 Studies in Medieval Art and Architecture (3 credits)

Description:

Selected subjects in the art and architectural production of the Medieval period.

Component(s):

"Lecture"

ARTH 364 Studies in Renaissance Art and Architecture (3 credits)

Description:

Selected subjects in the art and architectural production of 15th- and 16th-century Europe.

Component(s):

"Lecture"

ARTH 365 Studies in 17th- and 18th-Century Art and Architecture (3 credits)

Description:

Selected subjects in the art and architectural production of the 17th and 18th centuries.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 366 Studies in 19th-Century Art and Architecture (3 credits)

Description:

Selected subjects in the art and architectural production of the 19th century.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 367 Studies in 20th-Century Art and Architecture (3 credits)

Description:

Selected subjects in the art and architectural production of the 20th century.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 368 Studies in Contemporary Art and Architecture (3 credits)

Description:

Selected subjects in contemporary art and architectural production.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 369 Studies in Middle Eastern Art and Architecture (3 credits)

Description:

Selected subjects in the art and architectural production of the Middle East.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 370 Studies in Canadian Art (3 credits)

Description:

Selected subjects in the art of Canada.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 371 Studies in Canadian Architecture (3 credits)

Description:

Selected subjects in the architecture of Canada.

Component(s):

"Lecture"

ARTH 372 Issues in Contemporary Canadian Architecture (3 credits)

Description:

A consideration of specific issues in the practice of recent architecture in Canada.

Component(s):

"Lecture"

ARTH 373 Issues in Contemporary Canadian Art (3 credits)

Description:

A consideration of specific issues in the recent art of Canada.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 374 Architecture and Urbanism in Montreal (3 credits)

Description:

The relationship of architecture to issues of urbanism, analyzed through examples from Montreal's past and/or present.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 375 Issues in the Montreal Art Milieu (3 credits)

Description:

An analysis of specific issues in the historical and/or contemporary Montreal art community.

Component(s):

"Lecture"

ARTH 376 Topics in Indigenous Art (3 credits)

Description:

A selective examination of the work of Indigenous artists.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 379 Postcolonial Theory in Art History (3 credits)

Description:

A critical examination of the key concepts of postcolonial art and theory.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 380 Histories of Art History (3 credits)

Description:

The history of art history as a discipline and the concepts of history it uses.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 381 Feminism and Art History (3 credits)

Description:

A consideration of feminism in art history.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 383 Art and Philosophy (3 credits)

Description:

A consideration of the relationship between philosophy, art theory, and practice.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 384 Theories of Representation (3 credits)

Description:

An examination of the different concepts of representation involved in creating, defining, and interpreting an artwork.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 385 Colour: Theory and Application in the Visual Arts (3 credits)

Description:

An examination of various theories of colour by artists, philosophers, psychologists, and scientists.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 386 Art and the Viewer (3 credits)

Description:

A consideration of the relationships between artwork and audience.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 387 Issues in Art and Criticism (3 credits)

Description:

An examination of selected aspects of the relationship between art, aesthetics, and critical writing.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 388 Narration and Art (3 credits)

Description:

A critical examination of selected aspects of the relationship between art and its narratives.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 389 Issues in Ethnocultural Art Histories (3 credits)

Description:

An analysis of the concepts of ethnic and cultural identity in art and art history.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 390 Art and the Museum (3 credits)

Description:

A study of selected issues in museums and related art institutions.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 391 Art and Its Changing Contexts (3 credits)

Description:

An investigation of art in its original context and of its changing meanings and uses through time.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 392 Gender Issues in Art and Art History (3 credits)

Description:

An examination of gender as a factor in making and interpreting art.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 396 Art and Culture (3 credits)

Description:

A critical examination of selected issues in art and its cultural context.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 398 Special Topics in Art and Society (3 credits)

Description:

A detailed examination of a selected aspect of art in society.

Component(s):

"Lecture"

Notes:

- It is strongly recommended that students have completed at least six Art History credits before enrolling in this course.

ARTH 400 Advanced Seminar in Art Historical Method (3 credits)

Prerequisite/Corequisite:

Students must have completed 45 credits in the Major in Art History program or the Major in Art History and Film Studies program. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course offers a detailed examination of selected aspects of art methodologies.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 401 Independent Studies in Art History (3 credits)

Prerequisite/Corequisite:

Students must be in third-year standing with fewer than 33 credits remaining in the Major in Art History degree program. Written permission of the Department of Art History is required.

Description:

Students are required to prepare a research paper under the supervision of a faculty member.

Component(s):

"Independent Study"

ARTH 403 Internship (3 credits)

Prerequisite/Corequisite:

Students must have completed 45 credits of Art History courses (ARTH). Permission of the Department is required.

Description:

This course focuses on the practice of art history. Students are required to work on specific projects under the supervision of a faculty member. The purpose of the internship is to provide graduating students with the opportunity to take on a project in a professional art milieu so as to complement their academic education.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- This course is assessed on a pass/fail basis.

ARTH 448 Advanced Seminar in Art and Film (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTH 348 or FMST 348. Enrolment in the Major in Art History and Film Studies is required. If prerequisites are not satisfied, permission of the Department of Art History is required.

Description:

A seminar designed to permit an in-depth course of study on some aspects of art and film history.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.
- This course is equivalent to FMST 448. Students who have received credit for FMST 448 may not take this course for credit.

ARTH 450 Advanced Seminar in the History of Art and Architecture (3 credits)

Prerequisite/Corequisite:

Students must have completed 45 credits in the Major in Art History program or the Major in Art History and Film Studies program. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course offers a detailed examination of selected aspects of art and architectural history.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit, provided the subject matter is different each time.

ARTH 498 Special Topics in the History of Art and Architecture (3 credits)

Prerequisite/Corequisite:

Students must have completed 45 credits in the Major in Art History program or the Major in Art History and Film Studies program. If prerequisites are not satisfied, permission of the Department is required.

Description:

A course for advanced students which provides for the study of more specialized areas of art.

Component(s):

"Seminar"

Section 81.60 Mel Hoppenheim School of Cinema

Mel Hoppenheim School of Cinema

Cinema Programs

Art History and Film Studies

BFA Major in Art History and Film Studies

Cinema

Minor in Cinema

Film and Moving Image Studies

BFA Specialization in Film and Moving Image Studies

BFA Major in Film and Moving Image Studies

Minor in Film and Moving Image Studies

Film and Moving Image Studies C.Edge (Career Edge) Option

Film Animation

BFA Major in Film Animation

Minor in Film Animation

Film Animation C.Edge (Career Edge) Option

Film Production

BFA Specialization in Film Production

BFA Major in Film Production

Film Production C.Edge (Career Edge) Option

Cinema Course Groups

Microprograms

Microprogram in Fundamentals of Digital Filmmaking

Microprogram in Screenwriting and Film Producing

Other Related Programs

Section 81.60.1 Admission to Cinema Programs

Mel Hoppenheim School of Cinema Courses

Mel Hoppenheim School of Cinema

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/finearts/cinema.html

Department Objectives

The School investigates and develops cinema as a means of artistic expression. Its programs aim to graduate filmmakers, film animators, and scholars who have a rich appreciation of the artistic and cultural potential of the medium, and also of its history and traditions. Students are exposed to the possibilities of both digital and analog technologies, and the School's scholarly and artistic community celebrates its celluloid heritage and participates in the construction of the cinema of the future.

School programs, always evolving, embrace diversity, both in artistic formats and in the cultural values espoused through the study, creation, and dissemination of the cinema. The work of teachers, students, and artists engages with other artistic disciplines, and is grounded on academic rigour, teaching excellence, creative vision, and specific and high standards for the recruitment and admission of students, both undergraduate and graduate, who fit the School's mission. Its mission is inseparable from its commitment to the relevance and responsibility of its activities to the community, understood as being rooted here in Montreal and Quebec, throughout Canada, and internationally.

All programs offer core courses, elective courses, lectures by visiting specialists, independent studies, and professional internships, assuring continuous contact with working professionals in the arts community. Research and creative practice by faculty are also an essential part of the School's mission.

The BFA in Film Studies prepares graduates for professions as critics, arts administrators, educators, archivists, and curators within the regional, national, and international communities.

The BFA Film Animation and the BFA Film Production are studio programs that address practical and creative aspects of filmmaking, with the goal of providing a solid foundation for research and discovery to facilitate students' articulation of their unique artistic personality. Film Animation programs teach the full process of frame-by-frame filmmaking, its theory, and its practice. Film Production programs instill a thorough knowledge of the mechanics involved in producing motion pictures and help students develop personal perspectives on the aesthetics of creation. Students make their own films.

BFA Major in Art History and Film Studies

Program Requirements

Major in Art History and Film Studies (60 credits)

3 credits:

- FMST 220 Film Analysis (3.00)

Note: FMST 220 should be taken as part of the first 30 credits.

3 credits chosen from:

- FMST 222 Topics in Film Aesthetics (3.00)
- FMST 223 Montage Aesthetic (3.00)
- FMST 224 Moving Camera Aesthetic (3.00)

6 credits chosen from:

- FMST 201 Film History I (3.00)
- FMST 202 Film History II (3.00)
- FMST 203 Film History III (3.00)

Note: One of FMST 201, FMST 202 or FMST 203 should be taken as part of the first 30 credits.

3 credits chosen from:

- FMST 214 Canadian Cinema (3.00)
- FMST 215 Le cinéma québécois (3.00)
- FMST 217 First Peoples' Cinema (3.00)

6 credits chosen from:

- FMST 204 Approaches to Film and Moving Image Studies I (3.00)
- FMST 205 Approaches to Film and Moving Image Studies II (3.00)
- FMST 315 Introduction to Film Theory (3.00)
- FMST 316 Film and Moving Image Cultures (3.00)
- FMST 317 Transnational Approaches to Cinema (3.00)
- FMST 319 The Moving Image and Society (3.00)
- FMST 320 Digital Media and Animation (3.00)

3 credits of Film Studies electives

3 credits chosen from 400-level Film Studies electives

6 credits:

- ARTH 201 Perspectives of Art History I (3.00)
- ARTH 202 Perspectives of Art History II (3.00)

Note: ARTH 202 and ARTH 202 should be taken as part of the first 30 credits.

3 credits:

- ARTH 300 Art Historical Methods (3.00)

Note: ARTH 300 should be taken as part of the first 60 credits.

3 credits chosen from:

- ARTH 353 Technology and Contemporary Art (3.00)
- ARTH 354 Studies in Interdisciplinarity in the Visual Arts (3.00)

6 credits chosen from:

- ARTH 366 Studies in 19th-Century Art and Architecture (3.00)
- ARTH 367 Studies in 20th-Century Art and Architecture (3.00)
- ARTH 368 Studies in Contemporary Art and Architecture (3.00)

3 credits chosen from:

- ARTH 370 Studies in Canadian Art (3.00)
- ARTH 371 Studies in Canadian Architecture (3.00)
- ARTH 372 Issues in Contemporary Canadian Architecture (3.00)
- ARTH 373 Issues in Contemporary Canadian Art (3.00)
- ARTH 374 Architecture and Urbanism in Montreal (3.00)
- ARTH 375 Issues in the Montreal Art Milieu (3.00)
- ARTH 376 Topics in Indigenous Art (3.00)

3 credits chosen from:

- ARTH 379 Postcolonial Theory in Art History (3.00)
- ARTH 381 Feminism and Art History (3.00)
- ARTH 383 Art and Philosophy (3.00)
- ARTH 384 Theories of Representation (3.00)
- ARTH 385 Colour: Theory and Application in the Visual Arts (3.00)
- ARTH 386 Art and the Viewer (3.00)

- ARTH 387 Issues in Art and Criticism (3.00)
- ARTH 388 Narration and Art (3.00)
- ARTH 389 Issues in Ethnocultural Art Histories (3.00)
- ARTH 391 Art and Its Changing Contexts (3.00)
- ARTH 392 Gender Issues in Art and Art History (3.00)
- ARTH 400 Advanced Seminar in Art Historical Method (3.00)

3 credits of Art History electives

3 credits chosen from:

- ARTH 348 Special Topics in Art and Film (3.00)
- FMST 348 Special Topics in Art and Film (3.00)

Note: The following courses are cross-listed:

ARTH 348 and FMST 348

3 credits chosen from:

- ARTH 448 Advanced Seminar in Art and Film (3.00)
- FMST 448 Advanced Seminar in Art and Film (3.00)

Note: The following courses are cross-listed:

ARTH 448 and FMST 448

Note: The Major in Art History and Film Studies is offered jointly with the Department of Art History.

Notes

- This is a program for students who want to examine art and film from a variety of social, cultural, political, and critical perspectives.
- Several of the courses listed in this program are cross-listed. In cases where cross-listed courses appear, either version of the course may be applied towards the program requirements. Students may not,however,take both versions of a cross-listed course for credit.
- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Cinema

Program Requirements

Minor in Cinema (30 credits)

3 credits:

- FMST 220 Film Analysis (3.00)

3 credits chosen from:

- FMST 222 Topics in Film Aesthetics (3.00)
- FMST 223 Montage Aesthetic (3.00)
- FMST 224 Moving Camera Aesthetic (3.00)

6 credits chosen from:

- FMST 201 Film History I (3.00)
- FMST 202 Film History II (3.00)
- FMST 203 Film History III (3.00)

18 credits of Film Studies electives

Note: With the written permission of the School, introductorylevel Film Animation or Film Production courses, selected in consultation with the School, may be substituted.

Note: Up to six credits chosen from the Communication Studies Film Courses list may be applied as Film Studies electives for degree purposes.

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Specialization in Film and Moving Image Studies

Program Requirements

Specialization in Film and Moving Image Studies (66 credits)

3 credits:

- FMST 220 Film Analysis (3.00)

Note: FMST 220 should be taken as part of the first 30 credits.

3 credits chosen from:

- FMST 222 Topics in Film Aesthetics (3.00)
- FMST 223 Montage Aesthetic (3.00)
- FMST 224 Moving Camera Aesthetic (3.00)

9 credits:

- FMST 201 Film History I (3.00)
- FMST 202 Film History II (3.00)
- FMST 203 Film History III (3.00)

Note: One of FMST 201, FMST 202 or FMST 203 should be taken as part of the first 30 credits.

6 credits:

- FMST 204 Approaches to Film and Moving Image Studies I (3.00)
- FMST 205 Approaches to Film and Moving Image Studies II (3.00)

3 credits chosen from:

- FMST 214 Canadian Cinema (3.00)
- FMST 215 Le cinéma québécois (3.00)
- FMST 217 First Peoples' Cinema (3.00)

6 credits chosen from:

- FMST 315 Introduction to Film Theory (3.00)
- FMST 316 Film and Moving Image Cultures (3.00)
- FMST 317 Transnational Approaches to Cinema (3.00)
- FMST 319 The Moving Image and Society (3.00)

- FMST 320 Digital Media and Animation (3.00)

3 credits chosen from:

- FMST 418 Seminar in Canadian Cinema (3.00)
- FMST 419 Séminaire sur le cinéma québécois (3.00)

Note: COMS 301 may be substituted for three credits in Film and Moving Image Studies and must be considered as Film and Moving Image Studies credits for degree purposes.

6 credits chosen from Cinema electives approved by the head of Film and Moving Image Studies or from the following courses:

- FMPR 231 Filmmaking I (6.00)
- VDEO 350 Video History and Theory (6.00)

3 credits:

- FMST 450 Film and Moving Image Studies Specialization Seminar (3.00)

21 credits of electives chosen from Film Studies Courses excluding FMST 200 or from the following courses:

- FMPR 341 Writing for Film I (3.00)
- FMPR 441 Writing for Film II (3.00)

3 credits of Film and Moving Image Studies seminar courses.

Note: Up to 12 credits chosen from the Communication Studies Film Courses list may be applied as Film and Moving Image Studies or Cinema electives for degree purposes.

Notes

- It is strongly recommended that students in the Specialization in Film and Moving Image Studies have, or acquire, a knowledge of French.
- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Major in Film and Moving Image Studies

Program Requirements

Major in Film and Moving Image Studies (48 credits)

18 credits:

- FMST 201 Film History I (3.00)
- FMST 202 Film History II (3.00)
- FMST 203 Film History III (3.00)
- FMST 204 Approaches to Film and Moving Image Studies I (3.00)
- FMST 205 Approaches to Film and Moving Image Studies II (3.00)
- FMST 220 Film Analysis (3.00)

Note: One of FMST 201, FMST 202 and FMST 203; and FMST 220 should be taken as part of the first 30 credits.

3 credits chosen from:

- FMST 214 Canadian Cinema (3.00)
- FMST 215 Le cinéma québécois (3.00)
- FMST 217 First Peoples' Cinema (3.00)

3 credits chosen from:

- FMST 222 Topics in Film Aesthetics (3.00)
- FMST 223 Montage Aesthetic (3.00)
- FMST 224 Moving Camera Aesthetic (3.00)

3 credits chosen from:

- FMST 315 Introduction to Film Theory (3.00)
- FMST 316 Film and Moving Image Cultures (3.00)
- FMST 317 Transnational Approaches to Cinema (3.00)
- FMST 319 The Moving Image and Society (3.00)
- FMST 320 Digital Media and Animation (3.00)

15 credits of Film and Moving Image Studies electives, excluding FMST 200

6 credits of Cinema electives

Note: Up to 12 credits chosen from the Communication Studies Film Courses list may be applied as Film and Moving Image Studies or Cinema electives for degree purposes. VDEO 350 may also be applied as a Cinema elective for degree purposes.

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Film and Moving Image Studies

Program Requirements

Minor in Film and Moving Image Studies (24 credits)

12 credits chosen from:

- FMST 200 Introduction to Film and Moving Image Studies (6.00)
- FMST 201 Film History I (3.00)
- FMST 202 Film History II (3.00)
- FMST 203 Film History III (3.00)
- FMST 220 Film Analysis (3.00)

12 credits of Film and Moving Image Studies electives

Note: Up to six credits chosen from the Communication Studies Film Courses list may be applied as Film and Moving Image Studies electives for degree purposes.

Notes

- Students in Communication Studies Department degree programs must have written permission of their Department to enter this program.
- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Film and Moving Image Studies C.Edge (Career Edge) Option

The C.Edge Option

The C.Edge option is available to selected students who are enrolled in the BFA program, Major in Film and Moving Image Studies or Specialization in Film and Moving Image Studies. The academic content of the C.Edge option is identical to that of the regular program with some specific recommendations for professional internships and extension courses to improve and enhance the student's quality of work performance. Please see Institute for Co-operative Education for specific details.

BFA Major in Film Animation

Program Requirements

Major in Film Animation (60 credits)

15 credits:

- FMAN 203 Introduction to Animation I (3.00)
- FMAN 204 Introduction to Animation II (3.00)
- FMAN 225 Analytical Drawing and Design for Animation (3.00)
- FMAN 255 Technical Aspects for Animation I (3.00)
- FMAN 256 Technical Aspects for Animation II (3.00)

6 credits:

- FMST 218 History of Animation Film (3.00)
- FMST 220 Film Analysis (3.00)

12 credits:

- FMAN 307 Intermediate Animation I (3.00)
- FMAN 308 Intermediate Animation II (3.00)
- FMAN 315 From Idea to Storyboard and Animatic (3.00)
- FMAN 340 Sound for Animation Filmmakers (3.00)

9 credits of Film Animation electives

9 credits:

- FMAN 402 Advanced Animation Filmmaking (9.00)

3 credits of Fine Arts electives, exclusive of Cinema

3 credits of Cinema electives

3 credits of Film Studies electives

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Film Animation

Program Requirements

Minor in Film Animation (30 credits)

15 credits:

- FMAN 203 Introduction to Animation I (3.00)
- FMAN 204 Introduction to Animation II (3.00)
- FMAN 225 Analytical Drawing and Design for Animation (3.00)
- FMAN 255 Technical Aspects for Animation I (3.00)
- FMAN 256 Technical Aspects for Animation II (3.00)

6 credits:

- FMST 218 History of Animation Film (3.00)
- FMST 220 Film Analysis (3.00)

3 credits of FMST electives

6 credits of Cinema electives

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Film Animation C.Edge (Career Edge) Option

The C.Edge Option

The C.Edge option is available to selected students who are enrolled in the BFA program, Major in Film Animation. The academic content of the C.Edge option is identical to that of the regular program with some specific recommendations for professional internships and extension courses to improve and enhance the student's quality of work performance. Please see Institute for Co-operative Education for specific details.

BFA Specialization in Film Production

Program Requirements

Specialization in Film Production (66 credits)

3 credits chosen from:

- FMST 201 Film History I (3.00)
- FMST 202 Film History II (3.00)
- FMST 203 Film History III (3.00)

Note: One of FMST 201, FMST 202 or FMST 203 should be taken as part of the first 30 credits.

3 credits:

- FMST 220 Film Analysis (3.00)

Note: FMST 220 should be taken as part of the first 30 credits.

3 credits chosen from:

- FMST 222 Topics in Film Aesthetics (3.00)
- FMST 223 Montage Aesthetic (3.00)
- FMST 224 Moving Camera Aesthetic (3.00)

18 credits:

- FMPR 231 Filmmaking I (6.00)
- FMPR 332 Filmmaking II (6.00)
- FMPR 432 Filmmaking III (6.00)

12 credits:

- FMPR 239 Montage I (3.00)
- FMPR 336 Introduction to Film Producing (3.00)
- FMPR 338 Image I (3.00)
- FMPR 340 Sound I (3.00)

9 credits chosen from:

- FMPR 335 Acting and Directing Actors for the Screen I (3.00)
- FMPR 341 Writing for Film I (3.00)

- FMPR 343 Production Design (3.00)
- FMPR 350 Ways of Seeing in Film Production (3.00)
- FMPR 398 Special Topics in Film Production (3.00)
- FMPR 435 Acting and Directing Actors for the Screen II (3.00)
- FMPR 438 Image II (3.00)
- FMPR 439 Montage II (3.00)
- FMPR 440 Sound II (3.00)
- FMPR 441 Writing for Film II (3.00)
- FMPR 442 Optical Printer Practice (3.00)
- FMPR 444 Expanded Cinema (3.00)
- FMPR 450 Film Production Specialization Seminar (3.00)
- FMPR 498 Special Topics in Film Production (3.00)

6 credits of Film Studies electives, excluding FMST 200

12 credits of Cinema electives or credits chosen outside of Cinema selected in consultation with the head of Film Production

Note: Up to 12 credits chosen from the Communication Studies Film Courses list may be applied as Film Studies or Cinema electives for degree purposes. VDEO 350 may also be applied as a Cinema elective for degree purposes.

Notes

- It is strongly recommended that students in the Specialization in Film Production have, or acquire, a knowledge of French.
- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Major in Film Production

Program Requirements

Major in Film Production (54 credits)

3 credits chosen from:

- FMST 201 Film History I (3.00)
- FMST 202 Film History II (3.00)
- FMST 203 Film History III (3.00)

Note: One of FMST 201, FMST 202 or FMST 203 should be taken as part of the first 30 credits.

3 credits:

- FMST 220 Film Analysis (3.00)

Note: FMST 220 should be taken as part of the 30 credits.

3 credits chosen from:

- FMST 222 Topics in Film Aesthetics (3.00)
- FMST 223 Montage Aesthetic (3.00)
- FMST 224 Moving Camera Aesthetic (3.00)

21 credits:

- FMPR 231 Filmmaking I (6.00)
- FMPR 239 Montage I (3.00)
- FMPR 332 Filmmaking II (6.00)
- FMPR 338 Image I (3.00)
- FMPR 340 Sound I (3.00)

3 credits of Film Studies electives, excluding FMST 200

21 credits of Cinema electives

Note: Up to 12 credits chosen from the Communication Studies Film Courses list may be applied as Film Studies or Cinema electives for degree purposes. VDEO 350 may also be applied as a Cinema elective for degree purposes.

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Film Production C.Edge (Career Edge) Option

The C.Edge Option

The C.Edge option is available to selected students who are enrolled in the BFA program, Major or Specialization in Film Production. The academic content of the C.Edge option is identical to that of the regular program with some specific recommendations for professional internships and extension courses to improve and enhance the student's quality of work performance. Please see Institute for Co-operative Education for specific details.

Cinema Course Groups

Communication Studies Film Courses

- COMS 301 Selected Topics in National Cinemas (3.00)
- COMS 304 Selected Topics in Film Studies (3.00)
- COMS 416 Advanced Media Criticism (3.00)
- COMS 434 Advanced Topics in Film Studies (3.00)

Note: Students enrolled in the Major in Film Studies or Major in Film Production or Specialization programs may select up to 12 credits from the Communication Studies courses listed above. Students enrolled in the Minor in Cinema and the Minor in Film Studies may select up to six credits from the Communication Studies courses listed above.

Note: The credits earned may be applied as Film Studies and/or Cinema electives for degree purposes.

Filmmaking Courses

- FMAN 203 Introduction to Animation I (3.00)
- FMAN 204 Introduction to Animation II (3.00)
- FMAN 307 Intermediate Animation I (3.00)
- FMAN 308 Intermediate Animation II (3.00)
- FMAN 402 Advanced Animation Filmmaking (9.00)
- FMPR 231 Filmmaking I (6.00)
- FMPR 332 Filmmaking II (6.00)
- FMPR 432 Filmmaking III (6.00)

Note: The courses listed in this group include the production of a film as part of the course requirements.

Note: A student may register for only one course in which films are produced as a course requirement during each academic session.

Microprogram in Fundamentals of Digital Filmmaking

Program Requirements

Microprogram in Fundamentals of Digital Filmmaking (9 credits)

9 credits:

- FMPR 231 Filmmaking I (6.00)
- FMPR 241 Introduction to Technical Aspects of Digital Filmmaking (3.00)

Notes

Students are responsible for fulfilling their particular program requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Microprogram in Screenwriting and Film Producing

Program Requirements

Microprogram in Screenwriting and Film Producing (9 credits)

9 credits:

- FMPR 336 Introduction to Film Producing (3.00)
- FMPR 341 Writing for Film I (3.00)
- FMPR 441 Writing for Film II (3.00)

Notes

- Students are responsible for fulfilling their particular program requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Other Related Programs

The Major in Interdisciplinary Studies in Sexuality and the Minor in Interdisciplinary Studies in Sexuality, offered jointly by the Faculty of Arts and Science and the Faculty of Fine Arts, draw their curriculum from a variety of disciplines. Their purpose is to investigate empirical, theoretical, and creative aspects of sexuality.

Please refer to Section 31.560 Simone de Beauvoir Institute and Women's Studies for details.

Section 81.60.1 Admission to Cinema Programs

For programs in Film Animation and Film Production, the Mel Hoppenheim School of Cinema has distinct admission procedures in addition to the normal admission process of Concordia University. In order to allow sufficient preparatory time, applicants are strongly urged to visit the School's website at concordia.ca/finearts/cinema to obtain important information regarding portfolio submission procedures and deadline dates.Applicants to the Microprogram in Screenwriting and Film Producing must submit a letter of intent as part of the admission process.There are no additional requirements for admission to Film Studies.

Note: The Specialization in Film Production is offered at the third-year level. Students taking FMPR 332, in the Major in Film Production, may apply for transfer to the Specialization in Film Production by March 1.

Mel Hoppenheim School of Cinema Courses

Quick Links

Film and Moving Image Studies Courses

Film Animation Courses

Film Production Courses

Film and Moving Image Studies Courses

Notes

- Courses may occasionally be offered in French.

FMST 200 Introduction to Film and Moving Image Studies (6 credits)

Description:

A survey course acquainting the student with the art of the film and the basic methods of analysis. The technical and critical terminology of film and moving image studies is discussed. Popular literature on film, such as reviews, is analyzed and the more specialized film literature is introduced. Directors whose films are usually viewed include Bergman, Eisenstein, Fellini, Ford, Hitchcock, Kurosawa, Lubitsch, Keaton, and Welles.

Component(s):

"Lecture"

Notes:

- Students in the Major or Specialization in Film and Moving Image Studies may not take this course for credit.

FMST 201 Film History I (3 credits)

Prerequisite/Corequisite:

Enrolment in a major, minor or specialization program in the Mel Hoppenheim School of Cinema is required. If prerequisites are not satisfied, permission of the Mel Hoppenheim School of Cinema is required.

Description:

An introduction to world cinema history up until 1945, studied in relation to its cultural, social, and political contexts. Special emphasis is placed on film historical methodology, focusing on approaches based on genre, auteur, national cinemas, social history, particular cinematic modes, or other frameworks. Weekly screenings.

Component(s):

"Lecture"

Notes:

- Students in Film and Moving Image Studies programs should complete FMST 201, FMST 202 and/or FMST 203, and FMST 220 as part of their first 30 credits. Students in Film Production programs and Major in Art History and Film Studies should complete FMST 201, FMST 202 , and/or FMST 203, and FMST 220 as part of their first 30 credits.
- Students who have received credit for FMST 211 may not take this course for credit.

FMST 202 Film History II (3 credits)

Prerequisite/Corequisite:

Enrolment in a major, minor or specialization program in the Mel Hoppenheim School of Cinema is required. If prerequisites are not satisfied, permission of the Mel Hoppenheim School of Cinema is required.

Description:

An introduction to world cinema history from 1945 to 1980, studied in relation to its cultural, social, and political contexts. Special emphasis is placed on film historical methodology, focusing on approaches based on genre, auteur, national cinemas, social history, particular cinematic modes, or other frameworks. Weekly screenings.

Component(s):

"Lecture"

Notes:

- Students in Film and Moving Image Studies programs should complete FMST 201, FMST 202 and/or FMST 203, and FMST 220 as part of their first 60 credits. Students in Film Production programs and Major in Art History and Film Studies should complete FMST 201, FMST 202 and/or FMST 203, and FMST 220 as part of their first 30 credits.
- Students who have received credit for FMST 322 may not take this course for credit.

FMST 203 Film History III (3 credits)

Prerequisite/Corequisite:

Enrolment in a major, minor or specialization program in the Mel Hoppenheim School of Cinema is required. If prerequisites are not satisfied, permission of the Mel Hoppenheim School of Cinema is required.

Description:

An introduction to world cinema history from 1980 to the present day, studied in relation to its cultural, social, and political contexts. Special emphasis is placed on film historical methodology, focusing on approaches based on genre, auteur, national cinemas, social history, particular cinematic modes, or other frameworks. Weekly screenings.

Component(s):

"Lecture"

Notes:

- Students in Film and Moving Image Studies programs should complete FMST 201, FMST 202 and/or FMST 203, and FMST 220 as part of their first 60 credits. Students in Film Production programs and Major in Art History and Film Studies should complete FMST 201, FMST 202 and/or FMST 203, and FMST 220 as part of their first 30 credits.
- Students who have received credit for FMST 322 may not take this course for credit.

FMST 204 Approaches to Film and Moving Image Studies I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major, Minor or Specialization in Film and Moving Image Studies is required.

Description:

This course focuses on developing discipline-specific skills for the study of cinema and the moving image. It supplements the formal and aesthetic approaches to film analysis with broader questions about seeing, interpreting and understanding cinema. By completing a broad range of assignments designed to test various academic approaches to film analysis, students become acquainted with different methodologies that are currently in use within the discipline.

Component(s):

"Lecture"

Notes:

- Students in the Major in Film and Moving Image Studies program should complete this course as part of their first 30 credits.
- Students who have received credit for FMST 216 may not take this course for credit.

FMST 205 Approaches to Film and Moving Image Studies II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMST 204. Enrolment in the Major, Minor or Specialization in Film and Moving Image Studies is required.

Description:

This course focuses on developing discipline-specific skills for the study of cinema and the moving image. It builds on and extends the work undertaken in FMST 204. By completing a broad range of assignments designed to test various academic approaches to the study of film, students become acquainted with different methodologies that are currently in use within the discipline.

Component(s):

"Lecture"

Notes:

- Students in the Major in Film and Moving Image Studies program should complete this course as part of their first 30 credits.

FMST 213 Introduction to Film Genres (3 credits)

Description:

This course introduces students to the concept of genre through the case study of genre films. By exploring genre conventions and aesthetic features in historical context, the course addresses how genres are established, and how they develop, evolve, and travel. It also explores their relation to society, industry and art cinema.

Component(s):

"Lecture"

FMST 214 Canadian Cinema (3 credits)

Description:

A survey of Canadian film from the earliest surviving works to the present. Topics include fiction, documentary, animation, and experimental film, as well as the role of the National Film Board. The course includes discussions of national and transnational cinema within the Canadian context. Weekly screenings.

Component(s):

"Lecture"

FMST 215 Le cinéma québécois (3 credits)

Description:

Tour d'horizon du cinéma québécois mettant l'accent sur des œuvres contemporaines. Les films sont examinés en fonction de leur valeur culturelle et politique. On y traite également de la structure de l'industrie du cinéma au Québec et du rôle joué, entre autres, par l'Office national du film. Visionnements hebdomadaires.

Component(s):

"Lecture"

Notes:

- Ce cours peut, à l'occasion, être offert en anglais. / This course may occasionally be taught in English.

FMST 217 First Peoples' Cinema (3 credits)

Description:

An examination of representation by and of Indigenous peoples in film and video. The emphasis is on Turtle Island and other parts of the Americas, but important works from other continents may be included. Films and videos, both mainstream and experimental, are discussed in the context of post-colonial theory, socio-cultural history, and contemporary aesthetic issues. Weekly screenings.

Component(s):

"Lecture"

FMST 218 History of Animation Film (3 credits)

Prerequisite/Corequisite:

Enrolment in the Mel Hoppenheim School of Cinema is required. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A survey of animated film from the first decade of the 20th century to the present. Styles of animation viewed and discussed include abstract experimental film of the 1920s, Disney Studio films and computer animation. The contribution of the National Film Board of Canada and particularly that of Norman McLaren is considered. Weekly screenings.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FMST 323 may not take this course for credit.

FMST 220 Film Analysis (3 credits)

Description:

An introduction to the formal components of film. Close attention is paid to how to understand elements such as narrative, mise-en-scène, cinematography, editing and sound. Weekly screenings.

Component(s):

"Lecture"

Notes:

- Students in Cinema programs who require FMST 220 should complete the course as part of their first 30 credits.
- Students who have received credit for FMST 212 may not take this course for credit.

FMST 222 Topics in Film Aesthetics (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMST 220.

Description:

A focused study of a particular dimension of film aesthetics with attention to the social, cultural and historical questions of film art. Topics may include a digital or non-Western concentration, attention to a particular historical period, or the philosophical study of aesthetics. Weekly screenings.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 223 Montage Aesthetic (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMST 220.

Description:

An intensive study of montage as an element of film style. This course includes weekly screenings that cover a wide range of film and media practice, from early cinema to contemporary media practice.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FMST 311 may not take this course for credit.

FMST 224 Moving Camera Aesthetic (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMST 220.

Description:

An intensive study of camera movement as an element of film and moving image style. Consideration is given to relations between various techniques (deep and shallow focus, long and short takes) and the dynamic movement of cameras by human, mechanical or other means. Classic films and works in video and digital media may be examined. Weekly screenings.

Component(s):

"Lecture"

Notes:

- Students who have received credit for FMST 312 may not take this course for credit.

FMST 313 Film Comedy I (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with 66 or fewer credits remaining in their degree program.

Description:

An introduction to film comedy in the silent and sound eras. The visual and verbal sources of comedy are analyzed through the study of films ranging from Mack Sennett and Buster Keaton to Woody Allen and Jacques Tati. Weekly screenings.

Component(s):

"Lecture"

FMST 315 Introduction to Film Theory (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203; and FMST 204, FMST 220. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

This course familiarizes students with some of the major developments in film theory and further develops their critical skills in approaching complex theoretical texts and concepts. Students examine a variety of theoretical writings concerned with aesthetic, social and psychological aspects of the cinema, including questions of spectatorship, ideology, gender, technology, and authorship.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 316 Film and Moving Image Cultures (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203; and FMST 204, FMST 220. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

This course studies extra-textual elements of cinema, such as production histories, stardom, film education, and, more generally, issues in the dissemination of film cultures around the world including screens, apparatuses, cinephilia, fandom and festivals.

Component(s):

"Lecture"

FMST 317 Transnational Approaches to Cinema (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203; and FMST 204, FMST 220. If prerequisites are not satisfied, written permission of the School of Cinema is required.

Description:

This course introduces students to geo-political approaches to cinema, which question the primacy of the national as a determining category of analysis. This course emphasizes the transnational flow of global media production and circulation, and offers comparative perspectives on film movements and practices.

Component(s):

"Lecture"

FMST 318 Experimental Film (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with 66 or fewer credits remaining in their degree program.

Description:

An examination of experimental film emphasizing developments from the late 1940s to the present. The New American Cinema is considered in relation to other North American and European experimental cinemas, and examples of the historical antecedents of recent experimental films are viewed and discussed. Weekly screenings.

Component(s):

"Lecture"

FMST 319 The Moving Image and Society (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203; FMST 204, FMST 220. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

This course explores the ways in which cinema and moving images shape ideologies of class, gender and race. Through a selection of key theoretical texts from cultural studies and related scholarly traditions, this course investigates the centrality of visual experience to everyday life. Through a selection of screenings and readings, students learn how the production and consumption of visual cultures intersect with issues of identity and historical consciousness. The aim of this course is to enable students to analyze different ideological aspects of film and the moving image.

Component(s):

"Lecture"

FMST 320 Digital Media and Animation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203 ; and FMST 204, FMST 220. If prerequisites are not satisfied, written permission of the School of Cinema is required.

Description:

This course introduces students to the proliferating forms of contemporary animation, and to the critical debates around digital media in which animation plays a central role. The course examines new forms of animation, including anime, web-based animation and animated documentary along with big-budget special-effects films. Students are introduced to recent developments within film studies, animation studies, new media theory, game studies, gender studies, software studies, and theories of consumer culture.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a FMST 398 number may not take this course for credit.

FMST 325 Studies in Film Acting and Performance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203; and FMST 220. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

This course offers an introduction to the critical study and analysis of film acting and performance. It includes a survey of acting styles and practices. Performance styles are studied in relation to authorship, the film industry, stardom, scriptwriting, film technique, film genre, documentary and the other performing arts. The course helps students learn the multidimensional subject of acting for the screen.

Component(s):

"Lecture"

FMST 326 Approaches to World Cinema (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with 66 or fewer credits remaining in their degree program.

Description:

The course investigates films, film movements, filmmakers and film industries worldwide focusing on transnationalism as well as specific geopolitical cultural contexts. Among the possible topics: contemporary global art cinema and festivals, global and regional economies of film and media, film movements and genres, transcultural and diasporic cinemas, Third Cinema, postcoloniality and eurocentrism, international co-productions, practices of dubbing and subtitling.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 328 Non-fiction Film Since 1956 (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with 66 or fewer credits remaining in their degree program.

Description:

A cross-cultural survey of contemporary developments in the documentary film. The course begins with the precursors of cinéma-direct in North America and Europe during the 1950s, and extends through the most recent applications of cinéma-direct in the emerging cinemas of the Third World. Emphasis is placed on both the artistic achievement and the theoretical, cultural, and political context of the non-fiction film during this period of technological and aesthetic transition. Weekly screenings.

Component(s):

"Lecture"

FMST 329 Women and Film (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203; and FMST 220. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

This course examines films made by women, film criticism written by women, and the portrayal of women in films. These topics are considered within the context of film history and with an emphasis on their relation to ideas in contemporary feminist theory. Weekly screenings.

Component(s):

"Lecture"

FMST 330 Film Sound (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203; and FMST 220. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

This course provides an introduction to the concepts and language necessary to think and write cogently about the importance of sound in the cinema. It covers issues of technology, aesthetics and sound design in relation to the history of cinema as an audiovisual medium. Weekly readings and screenings offer students key analytical tools to better understand the soundscapes and soundtracks of a variety of film practices.

Component(s):

"Lecture"

FMST 331 Film Directors (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203; and FMST 220. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

This course provides a concentrated study of the work of selected major directors of narrative, documentary and experimental cinema. Concepts and theories of authorship are incorporated into close analysis of selected bodies of work. The films are considered in terms of thematic and stylistic consistency and variation as well as biographical, social, and political factors.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students who have received credit for FMST 321 may not take this course for credit.

FMST 332 Issues in Independent Cinema (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203; and FMST 220. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

This course involves intensive study of selected tendencies in cinema produced outside the mainstream of the film industry. Topics may include documentary, video art, experimental or narrative film, or particular convergences of these modes of film practice. Topics will vary according to the instructor's specialization.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 335 Aspects of National Cinemas (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with 66 or fewer credits remaining in their degree program.

Description:

An examination of films as reflections of national cultures. Films by a range of directors representing one or several national groupings such as Japan, Brazil, Eastern Europe, Great Britain, or contemporary West Germany are discussed in the context of their aesthetic, cultural, and political aspirations. Weekly screenings.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 336 Documentary Film of the Classical Period (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with 66 or fewer credits remaining in their degree program.

Description:

This course is a cross-cultural survey of the history of the documentary film from its origins in early cinema to the emergence of direct cinema in the postwar period. Emphasis is placed on both the artistic achievement and the theoretical, cultural, and political context of nonfiction film during the first half of the 20th century. Directors studied may include Flaherty, Grierson, Lorentz, Ivens, Riefenstahl, Shub, Vertov, and Vigo.

Component(s):

"Lecture"

FMST 337 Topics in American Cinema (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with 66 or fewer credits remaining in their degree program.

Description:

A lecture or seminar course which provides an opportunity for the study of limited and more specialized aspects of U.S. cinema. Topics may include individual genres, directors, production studios, historical periods, or aspects of independent cinema. Topics vary from year to year according to the instructor's field of specialization.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 340 Industry Studies in Film and the Moving Image (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with at least 24 credits completed in their degree program.

Description:

This course introduces students to the study of the film and moving image industries. Production studies and film and media industry studies are burgeoning fields of study. These fields offer insights into how film and media are produced; what their working conditions are; how production practices affect what is seen on screen; and how distribution and reception impacts industry practices. These practices are often transnational in scope and funding; this course will explore these conditions. This course also pays attention to how changes in technologies have an impact on production conditions, distribution practices, as well as labour and financial structures.

Component(s):

"Lecture"

FMST 348 Special Topics in Art and Film (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ARTH 201, ARTH 202 and FMST 220; and one of FMST 201, FMST 202 or FMST 203. Enrolment in the Major in Art History and Film Studies is required. If prerequisites are not satisfied, written permission of the School of Cinema is required.

Description:

This course offers a comparative examination of some aspects of film studies and art history.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students who have received credit for ARTH 348 may not take this course for credit.

FMST 350 Studies in Film Genres (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: two of FMST 201, FMST 202 or FMST 203; FMST 220. If prerequisites are not satisfied, permission of the Mel Hoppenheim School of Cinema is required.

Description:

This course offers an intensive analysis of one or two film genres, which assumes previous experience in film-genre studies. The genre is discussed in terms of its structural characteristics and the ways in which it is a product of specific social situations. Weekly screenings.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 391 Sexual Representation in Cinema (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with 66 or fewer credits remaining in degree program or must have completed six credits in the Major or Minor in Interdisciplinary Studies in Sexuality.

Description:

An investigation of cinematic sexual imagery as art, communication and socio-cultural phenomenon. Weekly screenings of films and videos, representing fiction, experimental and documentary genres, as well as different historical and cultural contexts, are related to theoretical readings, both classical and contemporary, by authors from Freud and the Surrealists to Foucault and recent feminist and queer theorists. Contemporary issues such as pornography, autobiography, and the HIV epidemic are confronted. Learning is interdisciplinary, interactive and group-oriented.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a FMST 498 number may not take this course for credit.

FMST 392 Queer/Trans Film and Media History (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with at least 24 credits completed in their program.

Description:

An interdisciplinary, cross-cultural survey of cinema and media made by and about queer and trans people. The course historically situates a global spectrum of moving image media within the context of sex and gender politics, featuring major artists and lesser-known makers from across the LGBTQ2S+ spectrum.

Component(s):

"Lecture"

FMST 393 Queer/Trans Film and Media Analysis (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with at least 24 credits completed in their program.

Description:

This course explores a wide range of methods and approaches to film and media from LGBTQ2S+ perspectives, including reception theory, queer theory, and identity studies. Students gain an understanding of how media and LGBTQ2S+ identities are interwoven as well as critical and analytical skills grounded in the cultures and experiences of queer and trans people.

Component(s):

"Lecture"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 398 Topics in Film and Moving Image Studies (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with at least 24 credits completed in their degree program.

Description:

A course which provides an opportunity for the study of limited and more specialized aspects of film and moving image studies.

Component(s):

"Lecture"

Notes:

- Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

FMST 399 Topics in Film and Moving Image Studies (6 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with at least 24 credits completed in their degree program.

Description:

A course which provides an opportunity for the study of specialized aspects of film and moving image studies outside the scope of existing courses.

Component(s):

"Lecture"

Notes:

- Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

FMST 409 Seminar in Women and Film (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

An advanced course in the study of films made by women, as well as of the representation of women in films. The topics selected for study may vary from year to year and are considered within the context of film history, contemporary feminist philosophy, and feminist film theory. Students are expected to conduct independent research for class presentation.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 410 Seminar in Gender, Sexuality and Media (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

An advanced interdisciplinary course in gender, identity and politics in cinema and media. Topics may vary from year to year, drawing on approaches from feminist, masculinity, queer, sexuality and gender/transgender studies. Sexuality is approached as an art, a form of communication and socio-cultural phenomenon, focusing on cinema and other moving image and sound-based media. Regular screenings accompany theoretical, historical and critical readings.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 411 Seminar in Screen Cultures (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

An advanced, interdisciplinary approach to the study of cinema and media cultures which draws on historical and theoretical approaches to old and new screen-based forms. Topics include issues of exhibition, distribution, industry, art institutions and other socio-cultural and historical issues related to moving image cultures. Regular screenings accompany theoretical, historical and critical readings.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 412 Seminar in Geographies of Cinema (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

An advanced study of cinema and the ways in which space, place and geopolitical borders shape aesthetic, industrial, cultural and political dynamics of moving images and sound. This course may include national, regional, local, urban, rural and international and transnational approaches. Regular screenings accompany theoretical, historical and critical readings.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 414 Seminar in Film Directors (3 credits)

Prerequisite/Corequisite:

Students must have completed 18 credits in Film Studies prior to enrolling. Written permission of the School of Cinema is required.

Description:

A seminar for advanced students which provides for more concentrated study of the work of specific film directors. The director or directors whose films are chosen for study varies from year to year according to the instructor's field of specialization.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 416 Seminar in Film History (3 credits)

Prerequisite/Corequisite:

Students must have completed 18 credits in Film Studies prior to enrolling. Written permission of the School of Cinema is required.

Description:

A seminar for advanced students which provides for the study of limited and more specialized areas of film history. The areas chosen for study vary from year to year according to the instructor's field of specialization.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 418 Seminar in Canadian Cinema (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMST 214 or COMS 316. Written permission of the School of Cinema is required.

Description:

A seminar in which selected aspects of Canadian film are examined and discussed. The areas chosen for study vary from year to year according to the instructor's field of specialization.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 419 Séminaire sur le cinéma québécois (3 credits)

Prerequisite/Corequisite:

FMST 215, ainsi qu'une permission écrite de l'École de cinéma.

Description:

Un séminaire dans lequel des aspects sélectifs du cinéma québécois sont analysés et discutés. Les sujets d'étude choisis varient d'année en année selon la spécialisation de l'instructeur.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Ce cours peut, à l'occasion, être offert en anglais. / This course may be occasionally offered in English.

FMST 420 Seminar in Critical Media Practices (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

This course brings together critical readings and practices across media forms with an emphasis on blending theory and creative work. Topics may include curating practices, video essays, collaborative media practices and web journalism.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 422 Seminar in Film Theory and Criticism (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

This seminar provides an in-depth and focused engagement with discourses on cinema from different cultural traditions and theoretical perspectives. Specific topics may vary from year to year and will be placed in dialogue with a range of film and media materials.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 423 Seminar in Stylistic and Formal Analysis (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

An intensive course in the analysis of film style. Films are examined using an analytical projector in order to discover their formal and thematic structures. The contribution of cinematographers, editors, scriptwriters, directors, and performers to the development of a style are discussed. Weekly screenings.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 424 Seminar in Film Narrative (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

An examination of conventions of film narrative from a theoretical and historical point of view. Innovations in narrative structure are discussed and consideration is given to the origin, development, and transformation of narrative traditions in their cultural and aesthetic context.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

FMST 426 Professional Internship I (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with at least 24 credits completed in the Major or Specialization in Film and Moving Image Studies. Written permission of the School of Cinema is required.

Description:

A Film and Moving Image Studies student who has been commissioned to work in such areas as film research, archival work, editing film publications, or writing film criticism, may seek permission to apply three credits towards the Film and Moving Image Studies degree program. A written proposal describing the project must be submitted prior to the work taking place in order to determine the appropriateness of the level and scope of the project. The School of Cinema must be satisfied that the work will be done under the joint supervision of a qualified professional and a full-time Cinema faculty member.

Component(s):

"Practicum/Internship/Work Term"

FMST 427 Professional Internship II (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with at least 24 credits completed in the Major or Specialization in Film and Moving Image Studies. Written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A Film Studies student who has been commissioned to work in such areas as film research, archival work, editing film publications, or writing film criticism, may seek permission to apply three credits towards the Film Studies degree program. A written proposal describing the project must be submitted prior to the work taking place in order to determine the appropriateness of the level and scope of the project. The School of Cinema must be satisfied that the work will be done under the joint supervision of a qualified professional and a full-time Cinema faculty member.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- This course is for students wishing to enrol in a subsequent internship to FMST 426

FMST 428 Independent Study I (3 credits)

Prerequisite/Corequisite:

Students must have completed at least 24 credits in Film and Moving Image Studies. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required.

Description:

This course offers a limited number of students the opportunity to pursue advanced research under the supervision of a full-time Cinema faculty member. A written agreement between the student and the supervisor shall clearly state the nature of the student's research, the scope of the project, and the work schedule. The study workload should be equivalent to a three-credit course in the program. Independent study may not duplicate curriculum offerings.

Component(s):

"Independent Study"

FMST 429 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMST 428. Students must have completed at least 24 credits in Film and Moving Image Studies. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required.

Description:

This course offers a limited number of students the opportunity to pursue advanced research under the supervision of a full-time Cinema faculty member. A written agreement between the student and the supervisor shall clearly state the nature of the student's research, the scope of the project, and the work schedule. The study workload should be equivalent to a three-credit course in the program. Independent study may not duplicate curriculum offerings.

Component(s):

"Independent Study"

FMST 448 Advanced Seminar in Art and Film (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTH 348 or FMST 348. Enrolment in the Major in Art History and Film Studies is required. If prerequisites are not satisfied, permission of the program director is required.

Description:

A seminar designed to permit an in-depth course of study on some aspects of art and film history.

Component(s):

"Seminar"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students who have received credit for ARTH 448 may not take this course for credit.

FMST 450 Film and Moving Image Studies Specialization Seminar (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with at least 24 credits completed in the Specialization in Film and Moving Image Studies. Written permission of the School of Cinema is required.

Description:

This intensive seminar includes workshops in research methodology, in advanced study and career planning, and in the practice of criticism, publication, preservation, and programming. The relation of film and moving image studies to filmmaking practice, the role of changing technology, and the current cultural context of the discipline are discussed by visiting experts from both within the University and the community at large. The course brings together all students in the Specialization in Film and Moving Image Studies.

Component(s):

"Seminar"

FMST 498 Seminar in Film and Moving Image Studies (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

A seminar course for advanced students which provides an opportunity for the study of limited and more specialized aspects of film and moving image studies.

Component(s):

"Seminar"

Film Animation Courses

Notes

- A student may register for only one course in which films are produced as a course requirement during each academic session.

FMAN 203 Introduction to Animation I (3 credits)

Prerequisite/Corequisite:

The following course must be completed concurrently: FMAN 255. Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A studio course introducing the study and practice of film animation. Students are taught the fundamentals of motion analysis and frame-by-frame filmmaking, basic character animation, camera layouts, exposure sheets and character design.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- This course involves the production of a film as a requirement.
- Students who have received credit for FMAN 202 may not take this course for credit.

FMAN 204 Introduction to Animation II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously FMAN 203. The following course must be completed previously or concurrently: FMAN 256. Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A continuation on a more advanced level of FMAN 203. Students produce their first animated film project.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- This course involves the production of a film as a requirement.

- Students who have received credit for FMAN 202 may not take this course for credit.

FMAN 225 Analytical Drawing and Design for Animation (3 credits)

Prerequisite/Corequisite:

Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

An analytical approach to various elements supporting the concept of representation, including character design, virtual space and perception. The concept of drawing is expanded beyond observational drawing.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Students who have received credit for FMAN 224 may not take this course for credit.

FMAN 255 Technical Aspects for Animation I (3 credits)

Prerequisite/Corequisite:

The following course must be completed concurrently: FMAN 203. Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A studio course introducing students to the use of software and equipment in the production of frame-by-frame films. Students learn the technical aspects of animation software and analog animation production equipment.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Students who have received credit for FMAN 254 may not take this course for credit.

FMAN 256 Technical Aspects for Animation II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed concurrently: FMAN 203, FMAN 255. The following course must be completed previously or concurrently: FMAN 204. Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A continuation on a more advanced level of FMAN 255. Students further explore the use of software and equipment for the production of framebyframe film.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Students who have received credit for FMAN 254 may not take this course for credit.

FMAN 300 Under-Camera Animation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMAN 204, FMAN 225, FMAN 256. Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

An intensive, hands-on introduction to the art, practice, and multiple techniques of direct animation, creating, photographing and erasing original images directly under the animation camera. Through a series of short exercises, guest lectures, and workshops, students explore the immediacy of a direct mark-making animation practice.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.

FMAN 301 Expanded and Experimental Animation Practices (3 credits)

Prerequisite/Corequisite:

Students must be enrolled in a Film Animation program and the following must be completed previously: FMAN 204, FMAN 256; or students must have completed 24 credits in a Fine Arts degree program and receive permission of the School of Cinema.

Description:

This is a studio course in which students study the theory and practice of experimental animation, non-narrative animation and animation in expanded contexts outside of cinema. Students undertake creative production exercises and workshops on an individual or collaborative basis under the direction of the instructor, and topics may include abstraction, visual music, gallery installation, multi-channel animation and interactive animation.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Students not enrolled in a Film Animation program may be required to submit a portfolio for review prior to receiving permission to enrol in this course.

FMAN 307 Intermediate Animation I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMAN 204, FMAN 225, FMAN 256. Enrolment in the Major in Film Animation is required. If prerequisites are not satisfied, written permission of the School of Cinema.

Description:

A continuation of FMAN 204 with emphasis on exploring the art of animation filmmaking. Students explore film language, sound design, editing and enhance their knowledge of filmplanning strategies and various framebyframe filmmaking techniques.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- It is recommended that students take FMAN 340 and FMAN 315 previously or concurrently. This course involves the production of a film as a requirement.
- Students who have received credit for FMAN 305 may not take this course for credit.

FMAN 308 Intermediate Animation II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMAN 307. Enrolment in the Major in Film Animation is required. If prerequisites are not satisfied, written permission of the School of Cinema.

Description:

A continuation of FMAN 307. This course allows students to further explore the planning and production of framebyframe animation filmmaking.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.

- It is recommended that students take FMAN 315 and FMAN 340 previously or concurrently. This course involves the production of a film as a requirement.
- Students who have received credit for FMAN 305 may not take this course for credit.

FMAN 311 Digital Animation and Creative Compositing (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMAN 204, FMAN 225, FMAN 256. Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the School of Cinema is required.

Description:

This course is designed to permit an in-depth exploration of various digital media by animating, editing and compositing animated media following the spirit of contemporary animated film. Exercises include exploration of digitally drawn or scanned elements, digital cut-outs, green screen and innovative stop-motion animation techniques. Emphasis is on personal expression, motion graphics and enhancement of professional animation skills.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.

FMAN 315 From Idea to Storyboard and Animatic (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMAN 204, FMAN 225, FMAN 256. Enrolment in the Major in Film Animation is required. If prerequisites are not satisfied, permission of the School of Cinema is required.

Description:

This course covers an exploration of the visual and written development of ideas and scripts in storyboard form. Students engage in creative and experimental exercises including timing, planning the soundtrack and creating animatics.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.

FMAN 319 Character Animation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMAN 204, FMAN 225, FMAN 256. Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

An examination of the fundamentals of character animation, its theory, techniques, and application to contemporary studio situations. Exercises in character creation, design and dramatization are directed towards the students' particular interests and styles.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Previous drawing experience is recommended.

FMAN 325 Advanced Analytical Drawing and Design for Animation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMAN 225. Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the School of Cinema upon presentation of a portfolio is required.

Description:

A continuation on a more advanced level of FMAN 225. An indepth focus on drawing for animation film.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Previous drawing experience is recommended.

FMAN 340 Sound for Animation Filmmakers (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMAN 204, FMAN 225, FMAN 256. Enrolment in the Major in Film Animation is required. If prerequisites are not satisfied, permission of the School of Cinema is required.

Description:

This course is an introduction to sound production theory, techniques and applications specific to animation films. Starting from the fundamentals of audio recording and mixing, students progress through a series of hands-on workshops and exercises culminating in a fully realized soundtrack for an animation film.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.

FMAN 350 Introduction to Stop-Motion Animation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMAN 204, FMAN 225, FMAN 256. Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the School of Cinema is required.

Description:

An intensive hands-on seminar and workshop in the art and craft of stop-motion animation. This course is designed to acquaint the student with photographic and animation techniques in stop-motion. Puppets, clay and other techniques are explored. Emphasis is placed on animation skills within the stop-motion process. Basic model, puppet and set construction are introduced, as well as use of materials and lighting. Study of recent developments in international styles and techniques is included.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Students who have received credit for FMAN 352 may not take this course for credit.

FMAN 355 Introduction to 3D Digital Animation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMAN 204, FMAN 256. Enrolment in a Film Animation program is required. If prerequisites are not satisfied, written permission of the School of Cinema is required.

Description:

An intensive technical course in the art and creation of 3D computer graphics. Students learn to use 3D software and related applications for 3D computer animation, modelling, rigging, lighting and texture.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Students who have received credit for FMAN 353 or 354 may not take this course for credit.

FMAN 398 Special Topics in Film Animation (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

An opportunity for study of limited and more specialized aspects of film animation.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.

FMAN 402 Advanced Animation Filmmaking (9 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMAN 308. The following must be completed previously or concurrently: FMAN 315, FMAN 340. Students must have completed 36 credits of Film Animation courses (FMAN). Permission of the School of Cinema is required.

Description:

This course is a continuation on a more advanced level of FMAN 308. Students produce a major animation film project using the medium of their choice.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- This course involves the production of a film as a requirement.

FMAN 404 Advanced Sound for Animation Filmmakers (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMAN 340; and students must be enrolled in the Major in Film Animation. If prerequisites are not satisfied, permission of the School of Cinema is required.

Description:

This course reinforces and expands upon theories, techniques and applications introduced in FMAN 340. Animators explore the creative potential and advanced practical aspects of sound in relation to the animated image. Creative projects include speculative sound for animation in which audio is the impetus for frame-by-frame image-making, animated visual music

composition, electronic sound synthesis, advanced sound recording, and advanced sound design. Animators explore recording and mixing for multi-channel and immersive audio animation formats on an advanced level.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Students who have received credit for this topic under a FMAN 398 or FMAN 498 number may not take this course for credit.

FMAN 408 Animated Documentary (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMAN 204, FMAN 225, FMAN 256. The following must be completed previously or concurrently: FMAN 340. If prerequisites are not satisfied, permission of the School of Cinema is required.

Description:

This course provides an intensive, hands-on introduction to the art, practice, ethics, and approaches to animated documentary/non-fiction animation.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Students who have received credit for this topic under a FMAN 398 or FMAN 498 number may not take this course for credit.

FMAN 436 Digital Post-Production for Animation (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMAN 204, FMAN 256. If prerequisites are not satisfied, permission of the School of Cinema is required.

Description:

This course is designed to develop an understanding of post-production image-processing techniques and aesthetics specific to animation, including titles and credits design, transitions, colour correction, video compression and codecs. Students engage in creative and technical exercises related to photographic and non-photographic animated image finishing. The latest dissemination formats and contexts for animation are explored, from web distribution to professional formats for cinema and festival presentation.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Students who have received credit for FMAN 336 may not take this course for credit.

FMAN 440 Advanced 3D Digital Animation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMAN 355. Enrolment in the Major in Film Animation is required. If prerequisites are not satisfied, written permission of the School of Cinema is required.

Description:

A continuation on a more advanced level of FMAN 355. An intensive technical course in the art and creation of 3D computer graphics. Students work with 3D software and related applications for advanced 3D computer animation, modelling, rigging, lighting and texture. Students are encouraged to explore the aesthetic combinations of digital 3D, 2D and other animation techniques in exercises and projects.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.
- Students who have received credit for FMAN 354 may not take this course for credit.

FMAN 446 Professional Internship I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMAN 203, FMAN 225, FMAN 256. If prerequisites are not satisfied, written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A Film Animation student who will be employed within the film industry during the same calendar year may seek permission to apply three credits towards the Film Animation degree program. A written proposal describing the project must be submitted prior to the work taking place in order to determine the appropriateness of the level and scope of the project. The School of Cinema must be satisfied that the work will be done under the joint supervision of a qualified professional and a full-time Cinema faculty member.

Component(s):

"Studio"; "Practicum/Internship/Work Term"

FMAN 447 Professional Internship II (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

A student who has received credit for FMAN 446 and wishes to do a second professional internship registers for FMAN 447.

Component(s):

"Studio"; "Practicum/Internship/Work Term"

FMAN 448 Independent Study I (3 credits)

Prerequisite/Corequisite:

Students must complete 24 credits in Film Animation prior to enrolling. Written permission of the School of Cinema is required. A minimum cumulative GPA of 3.5 is required.

Description:

This course offers a limited number of students the opportunity to pursue advanced research under the supervision of a full-time Cinema faculty member. A written agreement between the student and the supervisor shall clearly state the nature of the student's research, the scope of the project, and the work schedule. The study workload should be equivalent to a three-credit course in the program. Independent study may not duplicate curriculum offerings.

Component(s):

"Studio"; "Independent Study"

FMAN 449 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMAN 448. Students must have completed 24 credits in Film Animation prior to enrolling. A minimum cumulative GPA of 3.5 is required. Written permission of the School of Cinema is required.

Description:

This course offers a limited number of students the opportunity to pursue advanced research under the supervision of a full-time Cinema faculty member. A written agreement between the student and the supervisor shall clearly state the nature of the student's research, the scope of the project, and the work schedule. The study workload should be equivalent to a three-credit course in the program. Independent study may not duplicate curriculum offerings.

Component(s):

"Studio"; "Independent Study"

FMAN 450 Advanced Stop-Motion Animation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMAN 350. Enrolment in the Major in Film Animation is required. If prerequisites are not satisfied, written permission of the School of Cinema is required.

Description:

A continuation on a more advanced level of FMAN 350. An indepth, handson course in the art and craft of stopmotion animation. Emphasis is on finetuning animation skills within the stopmotion process.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of all necessary equipment, software and production materials for the course as described in the syllabus.

FMAN 498 Special Topics in Film Animation (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

A course for advanced students which provides an opportunity for the study of limited and more specialized aspects of film animation.

Component(s):

"Studio"

Film Production Courses

Notes

- A student may register for only one course in which films are produced as a course requirement during each academic session.

FMPR 231 Filmmaking I (6 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Film Production; or enrolment in the Specialization in Film Studies; or enrolment in the Microprogram in Fundamentals of Digital Filmmaking and written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A comprehensive course introducing students to the art of making motion pictures. This course stresses the individual student's creative efforts and expression through filmmaking. Students are expected to master basic technique and theory. Students use digital resources for acquisition and post-production.

Component(s):

"Studio"

Notes:

- Students are required to bear the production costs of all aspects of their course projects and supply their own means of storing media for editing and back-up.
- This course involves the production of a film as a requirement. This course may require mandatory workshops outside of class time.

FMPR 239 Montage I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed concurrently: FMPR 231, FMST 220; and one of FMST 201, FMST 202 or FMST 203. Enrolment in the Major in Film Production is required.

Description:

An introduction to the technical workflows and software applications used in the film production program. Students explore the theory and technique of editing as it applies to different genres of filmmaking. The course may require mandatory workshops outside of class time.

Component(s):

"Studio"

Notes:

- Students who have received credit for FMPR 339 may not take this course for credit.

FMPR 241 Introduction to Technical Aspects of Digital Filmmaking (3 credits)

Prerequisite/Corequisite:

The following course must be completed concurrently: FMPR 231. Enrolment in the Microprogram in Fundamentals of Digital Filmmaking is required.

Description:

This workshop-based course presents basic theory and extensive hands-on instruction in digital cinema camera use; rudimentary lighting; essentials of sound recording; basic picture and sound editing workflows.

Component(s):

"Studio"

Notes:

- This course is graded on a pass/fail basis.

FMPR 332 Filmmaking II (6 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMPR 231, FMPR 239, FMST 220; one of FMST 201, FMST 202 or FMST 203. The following must be completed concurrently: FMPR 338, FMPR 340. Enrolment in the Major in Film Production is required.

Description:

An intermediate course that explores the theory, technique and practice of filmmaking. The course emphasizes idea development, creative process, production planning, methods of production and post-production. Diverse course sections include approaches to fiction and non-fiction. Students use digital resources for acquisition and post-production.

Component(s):

"Studio"

Notes:

- Students are required to bear the production costs of all aspects of their course projects and supply their own means of storing media for editing and back-up.
- This course involves the production of more than one film project as a requirement. This course may require mandatory workshops outside of class time.

FMPR 335 Acting and Directing Actors for the Screen I (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMPR 231; FMPR 239; one of FMST 201, FMST 202, or FMST 203; FMST 220. If prerequisites are not satisfied, permission of the School of Cinema is required.

Description:

Students explore the collaborative connections between directing and performing for film at all stages of production. Topics include casting, script analysis, character development, stylistic choices, blocking, and frameworks of mise-en-scène. Practical exercises are supplemented by performance theory and analysis.

Component(s):

"Studio"

FMPR 336 Introduction to Film Producing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMPR 231, or students must be enrolled in the Microprogram in Screenwriting and Film Producing. If prerequisites are not satisfied, permission of the School of Cinema is required.

Description:

This comprehensive course introduces students to the creative and administrative challenges of producing. This includes strategies for fundraising, pre-production, budgeting and scheduling techniques, legal, financial and insurance concerns, post-production, distribution, and exhibition. A broad range of genres and platforms are covered.

Component(s):

"Lecture"

FMPR 338 Image I (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMPR 231, FMPR 239, FMST 220; one of FMST 201, FMST 202, or FMST 203. The following must be completed concurrently: FMPR 340. Enrolment in the Major in Film Production is required.

Description:

A comprehensive course on the equipment and technology available to the contemporary filmmaker with a focus on the tools used by students in other courses. Present-day technology is explored through the foundations of traditional camera and photographic theory toward an in-depth understanding of digital cinema. Extensive hands-on studio practice provides training in basic camera technique, lighting, and gripping.

Component(s):

"Studio"

Notes:

- This course may require mandatory workshops outside of class time. It is strongly recommended that students taking FMPR 338 are concurrently enrolled in FMPR 332.

FMPR 340 Sound I (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMPR 231, FMPR 239, FMST 220; one of FMST 201, FMST 202, or FMST 203. The following must be completed concurrently: FMPR 338. Enrolment in the Major in Film Production is required.

Description:

An introductory course in the technical aspects of sound design for cinema in support of projects undertaken in other courses. The course focuses on location recording, studio recording, and multi-track editing for layered sound design.

Component(s):

"Studio"

Notes:

- This course may require mandatory workshops outside of class time. It is strongly recommended that students taking FMPR 340 are concurrently enrolled in FMPR 332 .

FMPR 341 Writing for Film I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMPR 231, FMPR 239; one of FMST 201, FMST 202 or FMST 203; FMST 220. Enrolment in the Major in Film Production or the Microprogram in Screenwriting and Film Producing is required. Course prerequisites are waived for students enrolled in the Microprogram in Screenwriting and Film Producing.

Description:

An introduction to writing for film. Students explore the written word as a means to convey and clarify visual ideas and cinematic stories. Synopses, treatments and scenarios for various genres are explored. Students are required to submit their own writing for discussion and analysis.

Component(s):

"Studio"

FMPR 343 Production Design (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMPR 231, FMST 220; and one of FMST 201, FMST 202, or FMST 203. Enrolment in the Major in Film Production is required. If prerequisites are not satisfied, written permission of the School of Cinema is required.

Description:

A practical examination of the visual aspects of film production. Topics in production design considered may include texture and visual styles, the collaborative process, project management, and the nature of constraints which apply to student and independent productions.

Component(s):

"Lecture"

FMPR 350 Ways of Seeing in Film Production (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMPR 231, FMPR 239, FMST 220; and one of FMST 201, FMST 202, or FMST 203. Enrolment in the Major in Film Production is required.

Description:

A forum of ideas intended to increase the student's awareness of cinema as a visual medium. Aspects of our visual culture are presented and discussed: work by painters, photographers, sculptors, architects, and artists working with digital media. A relationship is made between the work of such artists and the work of the filmmaker. Students work on individual visual projects.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a FMPR 498 number may not take this course for credit.

FMPR 361 Approaches to Non-fiction — Selected Topics (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMPR 231, FMPR 239, FMST 220; and one of FMST 201, FMST 202, or FMST 203. Enrolment in the Major in Film Production is required.

Description:

This course explores aesthetic, conceptual and methodological issues surrounding non-fiction film production. Topics include research methods, non-scripted approaches, ethics of presentation, archival or ethnographic practices in light of current platforms and technologies.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a FMAN 498 number may not take this course for credit.

FMPR 398 Special Topics in Film Production (3 credits)

Description:

This course provides an opportunity for the study of specialized aspects of film production outside the scope of existing courses. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"

FMPR 399 Special Topics in Film Production (6 credits)

Description:

A course which provides an opportunity for the study of specialized aspects of film production outside the scope of existing courses. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"; "Studio"

FMPR 432 Filmmaking III (6 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMPR 332, FMPR 338, FMPR 340. Students must have 30 or fewer credits remaining in their degree program prior to enrolling. Permission of the School of Cinema is required.

Description:

An advanced course building on practices established in FMPR 332. Diverse course sections include approaches to fiction and nonfiction. Students use digital resources for acquisition of moving images and postproduction.

Component(s):

"Studio"

Notes:

- Students are required to bear the production costs of all aspects of their course projects and supply their own means of storing media for editing and back-up.
- This course involves the production of more than one film project as a requirement. This course may require mandatory workshops outside of class time.
- Students who have received credit for FMPR 431 may not take this course for credit.

FMPR 435 Acting and Directing Actors for the Screen II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMPR 335. Written permission of the School of Cinema is required.

Description:

This advanced studio course builds on foundational approaches to directing performance for the camera through increasingly complex scene work. Exercises are recorded and analyzed to refine directorial strategies for shaping performance. The course examines issues such as guiding performance across multiple takes and setups, performance continuity, and the integration of acting choices within a coherent cinematic vision.

Component(s):

"Studio"

FMPR 438 Image II (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: FMPR 332, FMPR 338, FMPR 340. Enrolment in the Specialization in Film Production or the Major in Film Production is required. Permission of the School of Cinema is required.

Description:

This course builds on the technical knowledge acquired in FMPR 338 and focuses on the art and technology of image creation for cinema in support of projects in other filmmaking classes. Students explore advanced topics in lighting and camera technology.

Component(s):

"Studio"

Notes:

- This course may require mandatory workshops outside of class.

FMPR 439 Montage II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMPR 239. Students must have completed 48 credits prior to enrolling.

Description:

An exploration of advanced methods, approaches and techniques used by editors working in various genres of film including drama, documentary and expanded cinema.

Component(s):

"Studio"

FMPR 440 Sound II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMPR 338, FMPR 340. Enrolment in the Specialization in Film Production or the Major in Film Production is required.

Description:

The central focus of the course is creative sound design. Emphasis is on the interaction between sound and image in film and includes both individual and collective sound projects.

Component(s):

"Studio"

FMPR 441 Writing for Film II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMPR 341.

Description:

This course is an advanced exploration of topics covered in FMPR 341. Additional topics include adaptations of existing work for the screen and developing longer film projects. Threeact structures as well as new narrative formats and documentary approaches are explored. Students are required to submit their own writing for discussion and analysis.

Component(s):

"Studio"

FMPR 442 Optical Printer Practice (3 credits)

Prerequisite/Corequisite:

For students enrolled in the Major in Film Production, the following course must be completed previously or concurrently: FMPR 338. For students enrolled in the Major in Film Animation, the following course must be completed previously: FMAN 256. Enrolment in the Major in Film Production, or in the Major in Film Animation with written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A film production course assisting students in the understanding and application of advanced optical printer technology and aesthetics.

Component(s):

"Studio"

FMPR 444 Expanded Cinema (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FMPR 231, FMPR 239, FMST 220; and one of FMST 201, FMST 202 or FMST 203.

Description:

An advanced course introducing students to historical and current practices in expanded cinema practice. Expanded cinema emphasizes an approach to moving image-making that situates spectatorship and viewer engagement out of the confines of the traditional cinema exhibition. Students are encouraged to develop creative approaches in work that engages viewers in non-restricted spatial environments. Strong emphasis is placed on means of production and presentation that depart from established methods and models of film production.

Component(s):

"Studio"

FMPR 445 Professional Internship (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Cinema is required.

Description:

A Film Production student who will be employed within the film industry during the same calendar year may seek permission to apply six credits towards the Film Production degree program. A written proposal describing the project must be submitted prior to the work taking place in order to determine the appropriateness of the level and scope of the project. The School of Cinema must be satisfied that the work will be done under the joint supervision of a qualified professional and a full-time Cinema faculty member.

Component(s):

"Practicum/Internship/Work Term"

FMPR 446 Professional Internship I (3 credits)

Prerequisite/Corequisite:

Written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A Film Production student who will be employed within the film industry during the same calendar year may seek permission to apply three credits towards the Film Production degree program. A written proposal describing the project must be submitted prior to the work taking place in order to determine the appropriateness of the level and scope of the project. The Mel Hoppenheim School of Cinema must be satisfied that the work will be done under the joint supervision of a qualified professional and a full-time Cinema faculty member.

Component(s):

"Practicum/Internship/Work Term"

FMPR 447 Professional Internship II (3 credits)

Prerequisite/Corequisite:

Written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A student repeating FMPR 446 for credit registers under FMPR 447.

Component(s):

"Practicum/Internship/Work Term"

FMPR 448 Independent Study I (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits in Film Production prior to enrolling. A minimum cumulative GPA of 3.5 is required. Written permission of the Department is required.

Description:

This course offers a limited number of students the opportunity to pursue advanced research under the supervision of a full-time Cinema faculty member. A written agreement between the student and the supervisor shall clearly state the nature of the student's research, the scope of the project, and the work schedule. The study workload should be equivalent to a three-credit course in the program. Independent study may not duplicate curriculum offerings.

Component(s):

"Studio"; "Independent Study"

FMPR 449 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMPR 448. Students must have completed 24 credits in Film Production prior to enrolling. A minimum cumulative GPA of 3.5 is required. Written permission of the Department is required.

Description:

This course offers a limited number of students the opportunity to pursue advanced research under the supervision of a full-time Cinema faculty member. A written agreement between the student and the supervisor shall clearly state the nature of the student's research, the scope of the project, and the work schedule. The study workload should be equivalent to a three-credit course in the program. Independent study may not duplicate curriculum offerings.

Component(s):

"Studio"; "Independent Study"

FMPR 450 Film Production Specialization Seminar (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Film Production is required. Written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A seminar offering in-depth, practical approaches to artistic and technical situations. This course brings together all students in the Specialization in Film Production.

Component(s):

"Seminar"

FMPR 451 Advanced Project Internship I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: FMPR 332. Enrolment in the Specialization in Film Production is required. Written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A Film Production student who contributes in a key position to a graduate project in the Film Production MFA program may apply for credits on the understanding that the application take place prior to the production and is authorized by the faculty members responsible for both programs.

Component(s):

"Studio"; "Practicum/Internship/Work Term"

FMPR 452 Advanced Project Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FMPR 451. Written permission of the Mel Hoppenheim School of Cinema is required.

Description:

A student repeating FMPR 451 for credit registers under FMPR 452.

Component(s):

"Studio"

FMPR 498 Special Topics in Film Production (3 credits)

Description:

A course for advanced students which provides an opportunity for the study of limited and more specialized aspects of film production. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class

Schedule.

Component(s):

"Studio"

FMPR 499 Special Topics in Film Production (6 credits)

Description:

A course for advanced students which provides an opportunity for the study of limited and more specialized aspects of film production. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Lecture"; "Studio"

Section 81.80 Department of Creative Arts Therapies

Department of Creative Arts Therapies

Department of Creative Arts Therapies Courses

Department of Creative Arts Therapies

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/finearts/creative-arts-therapies.html

Department Objectives

The Department of Creative Arts Therapies offers select undergraduate courses that provide students with diverse ranges of concepts and practices in the field of arts in health. The Department offers a program of study with options of specialization in either Art Therapy, Drama Therapy, or Music Therapy, all leading to the degree of Master/Magisteriate of Arts in Creative Arts Therapies. In addition, the Department offers a Graduate Diploma in Music Therapy and a Graduate Certificate in Play Therapy. Undergraduate courses at the 300 level are prerequisites for admission to either the Art Therapy MA Option, the Drama Therapy MA Option, or the Graduate Diploma in Music Therapy. These courses are designed to provide prospective students with a foundation in either Art Therapy, Drama Therapy, or Music Therapy.

Department of Creative Arts Therapies Courses

Quick Links

Creative Arts Therapies Course

Art Therapy Course

Drama Therapy Course

Music Therapy Course

Creative Arts Therapies Course

CATS 210 Introduction to Creative Arts Therapies (3 credits)

Description:

Students are introduced to the basic concepts and practices of creative arts therapies, including visual art, drama, music, and dance. Students study general theories and themes common to all of the creative arts therapies that may include creative projection, the role of the witness, expression, symbols, meaning making, and therapeutic alliance. These themes are explored through readings, videos, assignments, blogs and creative journals. Students are introduced to specific sites where creative arts therapists practice with diverse populations to gain a basic understanding of how the creative arts therapies function and the range of professional practices.

Art Therapy Course

ATRP 301 An Introduction to Art Therapy (3 credits)

Prerequisite/Corequisite:

The following course must be taken previously: PSYC 200 or equivalent. Students must have completed 30 university credits, and six credits in Studio Arts prior to enrolling.

Description:

This course provides an introduction to the subject and profession of art therapy, including its history, key processes, and selected approaches. Didactic and experiential components provide students with a broad understanding of the application of basic concepts in art therapy.

Notes:

- This course is intended as partial preparation for graduate studies in the field of art therapy.

Drama Therapy Course

DTHY 301 An Introduction to Drama Therapy (3 credits)

Prerequisite/Corequisite:

Students must have completed 30 university credits prior to enrolling.

Description:

This course provides an introduction to the subject and profession of drama therapy, including its history, key processes, and selected approaches. Didactic and experiential components provide students with a broad understanding of the application of basic concepts in drama therapy.

Notes:

- This course is intended as partial preparation for graduate studies in the field of drama therapy.
- Students who have received credit for TDEV 421, DFHD 421, or DINE 420 may not take this course for credit

Music Therapy Course

MTHY 301 An Introduction to Music Therapy (3 credits)

Prerequisite/Corequisite:

Students must have complete 30 university credits prior to enrolling.

Description:

This course provides an introduction to the subject and profession of music therapy, including its history, key processes, and selected approaches. Didactic and experiential components provide students with a broad understanding of the application of basic concepts in music therapy.

Notes:

- This course is intended as partial preparation for graduate studies in the field of music therapy.

Section 81.90 Department of Design and Computation Arts

Department of Design and Computation Arts

Section 81.90.1 Design

- Design Programs
  - BFA Major in Design
  - Microprogram in Web Design and User Interface
- Admission to the Major in Design and Microprogram in Web Design and User Interface
- Design C.Edge (Career Edge) Option

Section 81.90.2 Computation Arts

- Computation Arts Program Objectives
- Computation Arts Programs
  - **Computation Arts**
    - BFA Specialization in Computation Arts
    - Minor in Computation Arts
  - **Computation Arts and Computer Science**
    - BFA Joint Major in Computation Arts and Computer Science
  - **Game Design**
    - Minor in Game Design
- Admission to the Specialization and Minor in Computation Arts, the Joint Major in Computation Arts and Computer Science, and the Minor in Game Design
- Computation Arts C.Edge (Career Edge) Option

Department of Design and Computation Arts Courses

Department of Design and Computation Arts

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/finearts/design.html

Department Objectives

The Department offers programs that examine the broad vision or culture of design within contemporary society.

The Design Major is located primarily within the disciplines of image, object-making, and screen-based media in design practice with an emphasis on the study of material culture. Digital technologies are integrated into the creative process to serve as strategies and tools for enhanced communication, application, representation, and dissemination.

The Computation Arts programs are concentrated within the digital and virtual environments where computer technology is embedded in all stages of the creative process and production. The Internet as a system for communication in information and networked societies serves as the intersection that strongly links the disciplines of Design and Computation Arts. Students are encouraged to take courses across Design and Computation Arts.

BFA Major in Design

Program Objective

The Major in Design program explores the principal areas of visual communication and the built environment. The program encourages critical thinking and takes an interdisciplinary approach to design theory and practice. Its overarching principle is socio?cultural, environmental, and economic sustainability. Students begin their studies by developing knowledge and technical skill sets across these areas and then specialize according to their interests and abilities. The curriculum engages the student in creative work with the understanding of the impact and consequence of their designs in everyday life. In a collaborative and shared environment, students participate in diverse local outreach and community initiatives.

Program Requirements

Major in Design (66 credits)

18 credits:

- DART 221 Visual Communication in Context (3.00)
- DART 261 Introduction to Design Studies (3.00)
- DART 262 Exploring Design Studies (3.00)
- DART 280 Investigations in Typographic Design (3.00)
- DART 291 Design Process and the Materiality of Objects (3.00)
- DART 292 Bio-Inspiration in the Design of Objects (3.00)

6 credits:

- DART 391 Socio-Cultural Environmental Research and Practice I (3.00)
- DART 392 Socio-Cultural Environmental Research and Practice II (3.00)

9 credits chosen from DART 300-level elective courses

3 credits:

- DART 491 Discursive Design Research I (3.00)

3 credits chosen from:

- DART 492 Discursive Design Research II (3.00)
- DART 493 Post-Graduation Strategies in Design (3.00)

15 credits chosen from DART 400-level electives

6 credits chosen from ARTH; ARTT; or other Fine Arts history- or theory-based courses

6 credits chosen from any Fine Arts elective courses (including Computation Arts)

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Microprogram in Web Design and User Interface

Program Requirements

Microprogram in Web Design and User Interface (9 credits)

9 credits:

- CART 214 Visual Form and Communication (3.00)
- DART 349 Introduction to Web Design (3.00)
- DART 449 The Language of the Web (3.00)

Notes

- Students are responsible for fulfilling their particular program requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Major in Design and Microprogram in Web Design and User Interface

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Design and the Microprogram in Web Design and User Interface. All applicants to the Major in Design must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process. All applicants to the Microprogram in Web Design and User Interface must submit a letter of intent as part of the admission process. For more information concerning these additional requirements and submission deadline dates, please visit the following website: concordia.ca/finearts/future-students/applying-undergraduate.

Design C.Edge (Career Edge) Option

The C.Edge Option

The C.Edge option is available to selected students who are enrolled in the BFA program in Design. The academic content of the C.Edge option is identical to that of the regular program with some specific recommendations for courses designed to improve and enhance the student's quality of work performance. Please see Institute for Co-operative Education for specific details concerning the program.

Computation Arts Program Objectives

The Computation Arts programs facilitate a hybrid learning environment for the integration of fine arts and computer science. The core curriculum incorporates conceptual and technical aspects of dynamic imagery, sound, and virtual dimension. Teaching emphasizes non-traditional applications of digital technologies while also developing awareness of the cultural and political implications of new technologies in networked and information societies. Areas of interest in the program include interaction design, physical computing,immersive environments, and experimental sound.

BFA Specialization in Computation Arts

Program Requirements

Specialization in Computation Arts (60 credits)

18 credits:

- CART 210 New Media Theory (3.00)
- CART 211 Creative Computing and Network Culture (3.00)
- CART 212 Digital Media Studio (3.00)
- CART 214 Visual Form and Communication (3.00)
- CART 253 Creative Computation I (3.00)
- CART 263 Creative Computation II (3.00)

3 credits:

- CART 310 Interaction Design Studio (3.00)

12 credits chosen from 300-level CART courses

3 credits:

- CART 470 Capstone: Prototyping (3.00)

9 credits chosen from 400-level CART courses

9 credits chosen from any Fine Arts elective courses (including Design)

6 credits chosen other Fine Arts non-studio elective courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Computation Arts

Program Requirements

Minor in Computation Arts (24 credits)

12 credits:

- CART 211 Creative Computing and Network Culture (3.00)
- CART 212 Digital Media Studio (3.00)
- CART 253 Creative Computation I (3.00)
- CART 263 Creative Computation II (3.00)

6 credits chosen from 300-level CART courses

6 credits chosen from 400-level CART courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Joint Major in Computation Arts and Computer Science

Program Requirements

Joint Major in Computation Arts and Computer Science (90 credits)

6 credits:

- FFAR 248 Keywords: Engaging Across Disciplines in the Fine Arts (3.00)
- FFAR 249 Keywords: Working Across Disciplines in the Fine Arts (3.00)

12 credits:

- CART 210 New Media Theory (3.00)
- CART 211 Creative Computing and Network Culture (3.00)
- CART 212 Digital Media Studio (3.00)
- CART 214 Visual Form and Communication (3.00)

3 credits:

- CART 310 Interaction Design Studio (3.00)

6 credits chosen from 300-level CART courses

3 credits:

- CART 470 Capstone: Prototyping (3.00)

9 credits chosen from 400-level CART courses

6 credits chosen from DART courses or other Fine Arts electives

45 credits from the BCompSc Joint Major in Computation Arts and Computer Science offered by the Department of Computer Science and Software Engineering (see Section 71.80 Computation Arts and Computer Science)

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Game Design

Program Requirements

Minor in Game Design (24 credits)

3 credits:

- CART 215 Introduction to Game Design (3.00)

3 credits chosen from:

- CART 253 Creative Computation I (3.00)
- COMP 218 Fundamentals of Programming (3.00)
- COMP 248 Object-Oriented Programming I (3.50)

3 credits chosen from:

- CART 315 Digital Game Prototyping (3.00)
- CART 353 Creative Computation III (3.00)
- COMP 376 Introduction to Game Development (4.00)

3 credits chosen from:

- CART 210 New Media Theory (3.00)
- DART 261 Introduction to Design Studies (3.00)
- ENGL 255 Video Games and/as Literature (3.00)
- FFAR 257 History and Visual Culture of Gaming (3.00)

3 credits chosen from:

- CART 415 Game Studio I (3.00)
- CART 416 Game Studio II (3.00)

3 credits of CART or COMP elective courses, excluding CART 253, CART 315, COMP 218, COMP 248, COMP 376

3 credits of CART elective courses, excluding CART 253 and CART 315

3 credits of Fine Arts elective courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Specialization and Minor in Computation Arts, the Joint Major in Computation Arts and Computer Science, and the Minor in Game Design

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Specialization or the Joint Major in Computation Arts and Computer Science. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process.

Note: The BFA Joint Major in Computation Arts and Computer Science (45 credits) must be taken in combination with the BCompSc Joint Major in Computation Arts and Computer Science (45 credits) offered by the Department of Computer Science and Software Engineering (see Section 71.80 Computation Arts and Computer Science for details). Candidates applying for the Joint Major in Computation Arts and Computer Science are required to complete the 10.12 profile: Mathematics 103 or 201-NYA and 203 or 201-NYB, and 105 or 201-NYC. Candidates lacking Cegep profile 10.12, but with a suitable background, may also be considered for this program. Applicants to the Specialization or Minor in Computation Arts require no background in mathematics.

Note: The Minor in Computation Arts and the Minor in Game Design are available to a limited number of high-ranking students. Applicants must submit a full portfolio by the March 1 deadline and may contact the Department of Design and Computation Arts for specific application procedures.

For more information concerning these additional requirements and submission deadline dates, please visit concordia.ca/finearts/design.

Computation Arts C.Edge (Career Edge) Option

The C.Edge Option

The C.Edge option is available to selected students who are enrolled in the BFA Specialization in Computation Arts and the BFA Joint Major in Computation Arts and Computer Science. The academic content of the C.Edge option is identical to that of the regular program with some specific recommendations for courses designed to improve and enhance the student's quality of work performance. Please see Institute for Co-operative Education for specific details.

Department of Design and Computation Arts Courses

Quick Links

Computation Arts Courses

Design Courses

Computation Arts Courses

CART 210 New Media Theory (3 credits)

Prerequisite/Corequisite:

Enrolment in a Computation Arts program is required. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course is a critical introduction to new media theory focusing on issues of interaction, inscription, representation, code, reproduction, spectacle, control, body and resistance. Students develop tools to undertake a critical analysis of media and technology and their social, political, economic, and cultural ramifications.

Component(s):

"Studio"

Notes:

- Students who have received credit for CART 255 may not take this course for credit.

CART 211 Creative Computing and Network Culture (3 credits)

Prerequisite/Corequisite:

Enrolment in a Computation Arts program is required. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course gives a broad introduction to the fundamentals of creative computing and network culture. Through readings and practical examples, students explore the histories of the Internet, computing, and interactivity as well as gain knowledge of fundamental technical tools used for creating network-based media.

Component(s):

"Studio"

Notes:

- Students who have received credit for DFAR 251 or CART 251 may not take this course for credit.

CART 212 Digital Media Studio (3 credits)

Prerequisite/Corequisite:

The following course must be taken previously: CART 211. Enrolment in a Computation Arts program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio-based course focuses on the production of dynamic and interactive audio/visual media. Students develop proficiency in generating original audio and visual material as well as exposure to current digital media software. Concurrent with gaining knowledge of existing tools for production, students create a high-quality studio work for portfolio inclusion.

Component(s):

"Studio"

Notes:

- Students who have received credit for DFAR 252 or CART 252 may not take this course for credit.

CART 214 Visual Form and Communication (3 credits)

Prerequisite/Corequisite:

Enrolment in a Computation Arts program or the Microprogram in Web Design and User Interface is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

Key themes of visual communication are explored in the context of computation arts. This studio course considers design elements such as line, pattern, shape, texture, interpretation of space, surface, perspective, dimension, repetition, randomness, colour and colour spaces, typography, drawing from observation, layout and composition and conceptualization. This class is predominantly non-digital and discusses the relationships between analog and digital approaches.

Component(s):

"Studio"

Notes:

- Students who have received credit for CART 254 may not take this course for credit.

CART 215 Introduction to Game Design (3 credits)

Prerequisite/Corequisite:

Enrolment in a Computation Arts program or the Minor in Game Design is required. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course is an introduction to the design of playful activities and games in particular. Students are introduced to terminology, conceptual frameworks, and critical approaches in order to develop a precise understanding of games at a

formal and pragmatic level. Students acquire and develop tools to conceive, formalize, and communicate game design ideas.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a CART 398 number may not take this course for credit.

CART 253 Creative Computation I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Computation Arts or the Minor in Computation Arts is required. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course focuses on developing students' programming abilities, beginning with basic concepts and building toward approaches of increasing complexity. Students put these concepts and techniques into practice by creating their own expressive digital media projects, exploring areas such as interactivity, play, sound, and video.

Component(s):

"Studio"

CART 263 Creative Computation II (3 credits)

Prerequisite/Corequisite:

The following course must be taken previously: CART 253. If prerequisites are not satisfied, written permission of the Department is required.

Description:

In this course, students build on developing proficiency in programming by engaging in larger-scale project work and learning to use more sophisticated data structures, algorithms, and code reuse. Emphasis is placed on developing ambitious and experimental applications that engage deeply with the underlying ideas of computation as a medium.

Component(s):

"Studio"

CART 310 Interaction Design Studio (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course introduces the theories and practices of interaction design. Students learn about interaction design from the early history of computers and computation through to present-day best practice and experimental approaches still being

developed. In the studio portion of the course, students apply the theory introduced by developing specific prototype works in multiple forms, including paper, video and digital prototypes.

Component(s):

"Studio"

CART 315 Digital Game Prototyping (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CART 263 or COMP 218 or COMP 248. If prerequisites are not satisfied, written permission of the Department is required.

Description:

Students study specialized game technology, create a series of digital game prototypes, and are introduced to higher level programming concepts pertaining to interactive applications. Efficient approaches to the design and development of complex interactive software, such as iterative development and rapid prototyping, are explored.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a CART 398 number or for COMP 376 may not take this course for credit.

CART 345 Digital Texts and Typography I (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits in a Computation Arts program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This is a studio course in which students conduct experiments in digital text, type, and typography. It looks at how type can be used in dynamic, interactive, and performative contexts, how manipulating the appearance and behaviour of type affects the meaning of the text, and how to work with the materiality of letterforms. Class projects include motion typography for video, interactive texts, liquid/ random/malleable fonts, and computationally responsive letterforms.

Component(s):

"Studio"

Notes:

- Students are expected to have training in the fundamentals of typography.
- Students who have received credit for this topic under a CART 355 number may not take this course for credit.

CART 346 Digital Sound I: Theory and Practice of Real-Time Audio (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits completed in a Computation Arts, Electroacoustics, or Intermedia (Video, Performance and Electronic Arts) program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course is an introduction to the fundamental principles of real-time digital audio: the use of a computer to process, synthesize, and manipulate digitized representations of sound in real-time. Topics such as physics of sound, sampling, synthesis techniques, filters, and acoustics are introduced through the use of the real-time programming environments Max/MSP and Supercollider. Students experiment with digital audio techniques through lab exercises and the development of a final real-time composition/sound design work.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a CART 356 number may not take this course for credit.

CART 347 Digital Sound II: Sound Design (3 credits)

Prerequisite/Corequisite:

The following course must be taken previously: CART 346. Students must have completed 24 credits in a Computation Arts, Electroacoustics, or Intermedia (Video, Performance and Electronic Arts) program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course is a seminar/project studio in the conceptual and technical nature of digitally based sound design for film, video, and interactive multimedia (web, DVDs, games, sensor-augmented environments). Topics include sound and image fusion, audio-vision and conceptual/technical issues related to file and compression formats, spatialization (5.1), communication protocols, editing, mixing, tracking, asset creation and socio-cultural theories of audition. A term-long individual or group-based project is developed that takes participants through all phases of the sound design production workflow.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a CART 356 number may not take this course for credit.

CART 351 Networks and Navigation (3 credits)

Prerequisite/Corequisite:

The following courses must be taken previously: CART 211, CART 212; CART 263 or COMP 248. Students must have completed 24 credits in a Computation Arts program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

In this course, students develop interactive projects that use networked data, redefine online communities, and experiment with new communication structures. The perceptual and aesthetic aspects of digital media are addressed in relation to the technical skill sets required for navigating and understanding the possibilities and limits of networked environments.

Component(s):

"Studio"

CART 353 Creative Computation III (3 credits)

Prerequisite/Corequisite:

The following course must be taken previously: CART 263. If prerequisites are not satisfied, written permission of the Department is required.

Description:

In this course, students develop their programming skills via specific technologies and design perspectives, including but not limited to artificial life, evolutionary computation, procedural content generation, and playful design. The course focuses on students' own studio practice as artist-programmers and supports their continuing exploration of the medium.

Component(s):

"Studio"

CART 360 Tangible Media and Physical Computing (3 credits)

Prerequisite/Corequisite:

For students enrolled in the Specialization in Computation Arts, the following course must be completed previously: CART 263. For students not enrolled in the Specialization in Computation Arts, the following course must be completed previously: CART 263 or COMP 248. Students must have completed 24 credits in a Computation Arts program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course explores the concepts of tangible media and physical computation as well as related concepts of ubiquitous computing, wearable computing, and interaction design. The focus is on conceptual development, prototyping, and implementation of tangible media and physical computing artifacts from the perspectives of technical proficiency, functionality, aesthetics, and personal/social meaning.

Component(s):

"Studio"

CART 361 3D Digital Production I (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits in a Computation Arts program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

In this studio course, students are introduced to the language, principles, and practices of 3D digital animation. Students are exposed to a wide range of traditional film animation techniques and learn the technical skills and conceptual strategies for 3D digital production.

Component(s):

"Studio"

Notes:

- Students who have received credit for CART 261 may not take this course for credit.

CART 362 3D Digital Production II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CART 361. Students must have completed 24 credits completed in a Computation Arts program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This intermediate studio furthers conceptual and technical skills related to 3D digital animation. Through film analysis, readings, and lectures, students study film animation aesthetics, contemporary film practice, and advanced 3D animation techniques.

Component(s):

"Studio"

Notes:

- Students who have received credit for CART 262 may not take this course for credit.

CART 398 Special Topics in Computation Arts (3 credits)

Prerequisite/Corequisite:

Enrolment in a Computation Arts program is required. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course provides an opportunity for the study of specialized aspects and applications in computation arts. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

CART 411 Project Studio I (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in a Computation Arts program prior to enrolling or must receive written permission of the Department.

Description:

In this course, students integrate skills with objects, narratives, and environments. They refine both critical and practical management skills in team-based projects.

Component(s):

"Studio"

CART 412 Project Studio II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CART 411. Students must have completed 48 credits in a Computation Arts program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This advanced studio and theory course allows students to integrate skills with objects, narratives, and environments. They refine both critical and practical management skills in team-based projects.

Component(s):

"Studio"

Notes:

- Students who have received credit for CART 452 may not take this course for credit.

CART 415 Game Studio I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CART 315 or CART 353 or COMP 376. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course introduces students to experimental game design, especially through the creation of their own unconventional and expressive digital games. A theoretical and critical understanding of play and games is established through lectures, discussion, game playing, game making and critiques. Students make multiple prototype games in order to better understand relationships between design, technology and the resulting player experience.

Component(s):

"Studio"

CART 416 Game Studio II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CART 315 or CART 353 or COMP 376. If prerequisites are not satisfied, written permission of the Department is required.

Description:

In this studio course, students engage in larger-scale, team-based, iterative game development projects. Specific attention is given to the design of games that have intended purposes alongside entertainment — whether these be expressive, critical, persuasive, or educational in nature. Working in teams, students move from developing a concept around a rhetorical/experiential intention, to designing and developing a digital game prototype, and finally to examining play outcomes. Practical work is in dialogue with theory drawn from game design, game studies and interaction design.

Component(s):

"Studio"

CART 434 Advanced 3D Studio (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CART 362. Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This advanced studio builds upon 3D modelling for animation, gaming, and spatial environments. Concurrent with the development of technical skill sets, students develop thematic projects with consideration given to industry standards and cultural products for public or private enterprise.

Component(s):

"Studio"

CART 444 Portfolio Studio (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in a Computation Arts program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This studio course leads graduating Computation Arts students through an analysis and synthesis of a personal body of work, self-promotional material, and a framework for a group exhibition. Discussions and assignments address the technical, formal, and conceptual elements in their work, and strategies for documentation and presentation. Students are also expected to locate their work in a social, cultural, and historical context. Various future options for Computation Arts graduates are discussed, including careers in art, entrepreneurship, design, research, and academia.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a CART 498 number may not take this course for credit.

CART 451 Networked Media Studio (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CART 351. Students must have completed 48 credits in a Computation Arts program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course introduces advanced topics in networked media, exploring the potential of connected technologies in multiple contexts, from their role in present-day life to potential future scenarios. Special attention is given to the design rhetorics and values commonly embedded in the web and internet-enabled devices and how students can work to subvert or repurpose these conventional approaches to design.

Component(s):

"Studio"

CART 455 Professional Internship I (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling and also receive permission of the Department.

Description:

Students work in the industry for a period of nine to thirteen weeks to allow them to gain experience in design firms and multimedia companies. Internships approved for credit must be academically appropriate to the program.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students may count a maximum of six credits in professional internships towards their degree program. A clearly defined written agreement between the student intern, the employer, and the full-time faculty supervisor is required before the internship is approved.

CART 456 Professional Internship II (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling and also receive permission of the Department.

Description:

Students work in the industry for a period of nine to thirteen weeks to allow them to gain experience in design firms and multimedia companies. Internships approved for credit must be academically appropriate to the program.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students may count a maximum of six credits in professional internships towards their degree program. A clearly defined written agreement between the student intern, the employer, and the full-time faculty supervisor is required before the internship is approved.

CART 457 Independent Study I (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling and also receive permission of the Department.

Description:

This course provides an opportunity for a limited number of students to pursue advanced studies in computation arts research and creation project under the supervision of a full-time faculty member.

Component(s):

"Independent Study"

Notes:

- Students may count a maximum of six credits in independent studies towards their degree program. A written proposal/work plan and a detailed written agreement between the student and the faculty supervisor are required before the independent study is approved.

CART 458 Independent Study II (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling and also receive permission of the Department.

Description:

This course provides an opportunity for a limited number of students to pursue advanced studies in computation arts research and creation project under the supervision of a full-time faculty member.

Component(s):

"Independent Study"

Notes:

- Students may count a maximum of six credits in independent studies towards their degree program. A written proposal/work plan and a detailed written agreement between the student and the faculty supervisor are required before the independent study is approved.

CART 461 Tangible Media Studio (3 credits)

Prerequisite/Corequisite:

The following course must be taken previously: CART 360 . Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course introduces advanced topics in tangible media and the related aesthetic and interaction design challenges and opportunities. Students work together on experimental projects that push the boundaries of physical interfaces and the expressivity of installation-based digital work.

Component(s):

"Studio"

CART 470 Capstone: Prototyping (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course engages students in a long-term project with an emphasis on a professional approach to practice. Students demonstrate their ability to coordinate and apply theoretical concepts, creative and artistic skills, and computing abilities to tackle real-world scenarios driven by client needs.

Component(s):

"Studio"

CART 480 Convergence (6 credits)

(also listed as DART 480)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This interdisciplinary course invites students to creatively explore the intersection of arts, neuroscience, and society and how these domains shape the understanding of oneself and others. Concordia students work with science students from external universities to create self-directed, collaborative projects which converge artistic and scientific research. Through lectures, debates, site visits, and independent study, all participants are encouraged to understand and discover territories outside their artistic or scientific comfort zones.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a CART 498, DART 498 , CART 499 or DART 499 number may not take this course for credit.

CART 482 Critical Materiality (3 credits)

(also listed as DART 482)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling.If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an advanced research/studio course that opens up new perspectives and develops shared methodologies between the Department's programs. With a special emphasis on material engagement, making, and process, students engage with objects, narratives, visual, environments, and performances to develop artistic and public responses to socio-environmental topics linked to materiality and material engagement.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a CART 498 or DART 498 number may not take this course for credit.

CART 484 Accessible and Inclusive Design Practices (3 credits)

(also listed as DART 484)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling.If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course focuses on User Experience (UX) and User Interface (UI) design projects with a strong focus on inclusion and accessibility, integrating participatory and co-design methodologies. Students are presented with unique opportunities to engage with real-world challenges and design needs of disability organizations, their members, and individuals in their community. It encompasses a comprehensive exploration of theoretical concepts integral to inclusive design, including accessibility principles and universal design.

Component(s):

"Studio"

Notes:

- Students who have received credit for DART 484 , or for this topic under a CART 498 or DART 498 number, may not take this course for credit.

CART 494 Exhibition Design (6 credits)

(also listed as DART 494)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling.If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on the conceptualization and coordination of the annual undergraduate exhibition. Students are introduced to the basics of exhibition design while critically engaging with interpretive experiences of art, media, and objects. The course addresses exhibition design as a multidisciplinary, complex, and rich medium of communication, and how it is applied to different contexts of professional practice.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a CART 498, DART 498, CART 499 or DART 499 number may not take this course for credit.

CART 498 Special Topics in Computation Arts (3 credits)

Prerequisite/Corequisite:

Enrolment in a Computation Arts program is required. If prerequisites are not satisfied, written permission of the Department is required.

Description:

An advanced course which provides an opportunity for the study of specialized aspects and applications in digital fine arts. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

CART 499 Special Topics in Computation Arts (6 credits)

Prerequisite/Corequisite:

Students must complete 48 credits in the Computation Arts program prior to enroling. If prerequistes are not satisfied, written permission of the Department is required.

Description:

This advanced course provides an opportunity for the study of specialized aspects and applications in digital arts. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

Notes:

- Students who have received credit for the same topic under CART 498, DART 498, or DART 499 may not take this course for credit.

Design Courses

DART 221 Visual Communication in Context (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Design is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course engages students in the study and application of graphic composition and visual communication. It focuses in particular on the elements and principles of layout and colour theory.

Component(s):

"Studio"

Notes:

- Students are required to take this course within the first 24 credits of their degree pathway.

DART 261 Introduction to Design Studies (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Design is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This lecture course examines key themes in the history and theory of visual communication and the built environment from industrialization to the present day. Emphasis is given to current as well as future implications of design practice. Research methods in the discipline are introduced to facilitate development of students' analytical and critical abilities, both oral and written.

Component(s):

"Lecture"; "Workshop"

Notes:

- Students are required to take this course within the first 24 credits of their degree pathway.

DART 262 Exploring Design Studies (3 credits)

Prerequisite/Corequisite:

The following course must be taken previously: DART 261. If prerequisites are not satisfied, permission of the Department is required.

Description:

This theory course introduces students to innovative and creative ways of thinking about design, and offers means of organizing their ideas effectively and convincingly. Referring to both historic and current examples of design theory and practice, coursework and assignments explore existing frameworks or models for design studies, enabling students to investigate critical aspects of visual communication and the built environment.

Component(s):

"Lecture"; "Workshop"

DART 280 Investigations in Typographic Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 221. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course focuses on typographic design and explores the functional and expressive aspects of typography. Process-based assignments emphasize the principles of typography, information hierarchy, multiple-page content, and text-image relationships.

Component(s):

"Studio"

DART 291 Design Process and the Materiality of Objects (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Design is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course concentrates on the design process and provides students with communication strategies including sketching in perspective and technical drawing. Assigned projects address creativity, sustainable materials, and construction techniques.

Component(s):

"Studio"

Notes:

- Students are required to take this course within the first 24 credits of their degree pathway.
  This course may be repeated for credit in this program, provided the subject matter is different each time.

DART 292 Bio-Inspiration in the Design of Objects (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 291. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course advances the study of materials and construction methods. Assignments emphasize research and research methods specifically within the study of bionics. Students explore nature as inspiration to facilitate innovative and effective life cycles of designed objects.

Component(s):

"Studio"

DART 298 Special Topics in Design (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Design is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

DART 331 Words in Space (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 280. Students must have completed 24 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course focuses on type and image in the built environment. Issues of space, materiality, and legibility are examined within architectural and urban landscapes. Students engage in projects ranging from wayfinding and signage to exhibition design and installations.

Component(s):

"Studio"

DART 335 Interpretive Public Spaces (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course develops strategies for interactions in the public sphere. The application of scenography, planning of space and the integration of content orients the student towards the design of museum installations, mobile exhibitions, and performative events.

Component(s):

"Studio"

DART 349 Introduction to Web Design (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits within their degree pathway prior to enrolling or be currently enrolled in the Microprogram in Web Design and User Interface. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course introduces students to such aspects of web design as graphic user interface; navigation and information hierarchies; the differences between screen and print; and user experience; and explores the challenges facing designers working in an online environment. Students create websites for multiple platforms and mobile devices, as well as experiment with innovative ways of organizing information.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DART 398 number may not take this course for credit.

DART 380 3D Digital Concepts (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 280. Students must have completed 24 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This computer lab course introduces students to computer-assisted 3D design concepts. Practical exercises advance technical skills and are combined with thematic proposals for virtual object representation. Scaled object production is encouraged in the final stages of the studio.

Component(s):

"Studio"

DART 381 Digital Media and Moving Images (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this studio course, students generate concepts, thematic proposals, storyboards, and narratives for audiovisual presentations and creative works with a focus on online or web applications. Students develop projects for motion graphics, kinetic typography, as well as audio components.

Component(s):

"Studio"

DART 391 Socio-Cultural Environmental Research and Practice I (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course contextualizes the significance of research in the development of socio-cultural environmental design practice. Students work in collaboration to explore soft surface concepts and making. Workshops introduce textile and cloth explorations, patterning, sewing techniques, fabric printing, and body wear.

Component(s):

"Studio"

DART 392 Socio-Cultural Environmental Research and Practice II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 391. Students must have completed 24 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course further develops soft surface design and applications through specific sustainable projects and community initiatives. Students work in collaboration with different stakeholders in the research, conceptualization, construction, and analysis stages of project design.

Component(s):

"Studio"

DART 398 Special Topics in Design (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides an opportunity for the study of special issues in design art. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

DART 433 Experimental Typography and Image-Making (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this studio course, students develop methodologies for experimentation with typographic design/composition and image creation/editing through the development of a self-directed research-creation project. The relationships between aesthetic expression and meaning formation are investigated at the level of the graphic design object and its place within contemporary social, cultural, political and commercial contexts.

Component(s):

"Studio"; In Person (P)

Notes:

- Students who have received credit for this topic under a DART 498 number may not take this course for credit.

DART 441 The Culture of Images (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this studio course students analyze the impact of images through the study of popular culture and the persuasiveness of advertising in image-saturated and information-dense societies. Projects address strategies for effective visual communication as catalysts towards transformative socio-cultural environments.

Component(s):

"Studio"

DART 444 Portfolio Design (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this course, students represent their design practice in a series of portfolio materials. Visual and written documentation are developed for print, digital media, and exhibition.

Component(s):

"Studio"

DART 445 The Narrative Object (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 380. Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this course, the mythic potential of objects as personal and cultural markers is considered in the context of everyday life. Students construct meaning through objects, responding to the potential for expression inherent in materials, structure, and form. The rigour of observation, analysis, and interpretation of object stimulates opportunities for multiple readings.

Component(s):

"Studio"

DART 446 Studies in the Built Environment (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this theory course, students explore physical space as a complex dynamic in which nature, architecture, things, and people continuously interact and influence each other. Students develop skills to explore such concepts as spatiality and materiality, to enhance their understanding of, and contributions to, the built environment.

Component(s):

"Seminar"

DART 447 The Future Life of Objects (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 380. Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course encourages students to analyze the integration and impact of digital technologies in the production of three-dimensional objects and space design. Students examine current technologies and production and explore concepts for objects, enhancing the long-term value and use of objects within the built environment.

Component(s):

"Studio"

DART 448 Nature-Inspired Environments (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 380. Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this course, students examine natural systems to uncover design potential for the built environment. Students develop innovative approaches that advance sustainable design thinking through the study of intrinsic environmental geometries, behaviours, narratives, and life-cycle flows.

Component(s):

"Studio"

DART 449 The Language of the Web (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 349. Students must have completed 48 credits within their degree pathway prior to enrolling or be currently enrolled in the Microprogram in Web Design and User Interface. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this studio course, students develop online applications and innovative methods for organizing and disseminating information. Issues of interactivity, navigation, and open-source media are emphasized.

Component(s):

"Studio"

DART 453 Design and Community Engagement (6 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling; or must have completed 24 credits in a Major in Fine Arts prior to enrolling; or must be enrolled in the Loyola College for Diversity and Sustainability's Minor in Diversity and the Contemporary World. If prerequisites are not satisfied, permission of the Department is required.

Description:

A special project-based studio that provides students the opportunities to dialogue with and engage with Montreal-based outreach programs, community centres and not-for-profit organizations. Concordia students apply their communication and technical skill sets to collaborate with community partners and participants on specific design projects.

Component(s):

"Studio"

DART 461 Independent Study I (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling and also receive permission of the Department.

Description:

This course provides an opportunity for a limited number of students to pursue advanced studies in a design research and creation project under the supervision of a full-time faculty member.

Component(s):

"Independent Study"

Notes:

- Students may count a maximum of six credits in independent studies towards their degree program. A written proposal/work plan and a detailed written agreement between the student and the faculty supervisor are required before the independent study is approved.

DART 462 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 461. Students must have completed 48 credits within their degree pathway prior to enrolling and also receive permission of the Department.

Description:

This course provides an opportunity for a limited number of students to pursue advanced studies in a design research and creation project under the supervision of a full-time faculty member.

Component(s):

"Independent Study"

Notes:

- Students may count a maximum of six credits in independent studies towards their degree program. A written proposal/work plan and a detailed written agreement between the student and the faculty supervisor are required before the independent study is approved.

DART 471 Professional Internship I (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling and also receive permission of the Department.

Description:

This course provides an opportunity for a limited number of students to further develop their design skill sets as an intern in a design firm or cultural organization such as a museum or graphic and industrial design association.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students may count a maximum of six credits in professional internships towards their degree program. A written proposal/work plan and a detailed written agreement between the student intern, the employer, and the full-time faculty supervisor are required before the internship is approved.

DART 472 Professional Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 471. Students must have completed 48 credits within their degree pathway prior to enrolling and also receive permission of the Department.

Description:

This course provides an opportunity for a limited number of students to further develop their design skill sets as an intern in a design firm or cultural organization such as a museum or graphic and industrial design association.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students may count a maximum of six credits in professional internships towards their degree program. A written proposal/work plan and a detailed written agreement between the student intern, the employer, and the full-time faculty supervisor are required before the internship is approved.

DART 480 Convergence (6 credits)

(also listed as CART 480)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This interdisciplinary course invites students to creatively explore the intersection of arts, neuroscience, and society and how these domains shape the understanding of oneself and others. Concordia students work with science students from external universities to create self-directed, collaborative projects which converge artistic and scientific research. Through lectures, debates, site visits, and independent study, all participants are encouraged to understand and discover territories outside their artistic or scientific comfort zones.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DART 498 , CART 498 , DART 499 or CART 499 number may not take this course for credit.

DART 482 Critical Materiality (3 credits)

(also listed as CART 482)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is an advanced research/studio course that opens up new perspectives and develops shared methodologies between the Department's programs. With a special emphasis on material engagement, making, and process, students engage with objects, narratives, visual, environments, and performances to develop artistic and public responses to socio-environmental topics linked to materiality and material engagement.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DART 498 or CART 498 number may not take this course for credit.

DART 483 Design Lab (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course operates as a student-driven and faculty-mentored design studio/lab/workshop. Working in small teams, students develop actual design projects for cultural organizations within and around the University. Projects may include publications, websites, visual identity programs, or campaigns. There is a strong focus on ethical methods, processes, and production, as well as collaborative learning and collective development of the Design Lab.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DART 498 number may not take this course for credit.

DART 484 Accessible and Inclusive Design Practices (3 credits)

(also listed as CART 484)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course focuses on User Experience (UX) and User Interface (UI) design projects with a strong focus on inclusion and accessibility, integrating participatory and co-design methodologies. Students are presented with unique opportunities to engage with real-world challenges and design needs of disability organizations, their members, and individuals in their

community. It encompasses a comprehensive exploration of theoretical concepts integral to inclusive design, including accessibility principles and universal design.

Component(s):

"Studio"

Notes:

- Students who have received credit for CART 484, or for this topic under a DART 498 or CART 498 number, may not take this course for credit.

DART 491 Discursive Design Research I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 392. Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This core theoretical course combines lectures and discussions, emphasizing the contextual and societal implications of the design process from conception to production. Multidisciplinary approaches to design research and methodology allow students to advance the discourse of their own emerging design ethic and aesthetic.

Component(s):

"Lecture"

DART 492 Discursive Design Research II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DART 491. Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course is a continuation of DART 491. This core course explores the interstices between visual culture, material culture, and related theoretical discourses as disciplines which profoundly influence the design process. Particular attention is devoted to multidisciplinary engagement as applied to individual design scenarios.

Component(s):

"Lecture"

DART 493 Post-Graduation Strategies in Design (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this course, students have the opportunity to explore subject matter related to both professional practice and graduate studies. Topics related to the former include eco-focused business or sustainable business models, eco-conscious design practice, time-planning strategies, intellectual property (copyrights, patents), funding models and business start-ups. Topics related to potential graduate studies include grant writing, selection of graduate programs, and research project proposals.

Component(s):

"Seminar"

DART 494 Exhibition Design (6 credits)

(also listed as CART 494)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course focuses on the conceptualization and coordination of the annual undergraduate exhibition. Students are introduced to the basics of exhibition design while critically engaging with interpretive experiences of art, media, and objects. The course addresses exhibition design as a multidisciplinary, complex, and rich medium of communication, and how it is applied to different contexts of professional practice.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DART 498 , CART 498 , DART 499 or CART 499 number may not take this course for credit.

DART 498 Special Topics in Design (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

A course for advanced students which provides an opportunity for the study of special issues in design art. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

DART 499 Special Topics in Design (6 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

A course for advanced students which provides an opportunity for the study of special issues in design. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

Notes:

- Students who have received credit for the same topic under CART 498, CART 499 or DART 498 may not take this course for credit.

Section 81.110 Department of Studio Arts

Department of Studio Arts

Section 81.110.1 Studio Art Programs
- BFA Major in Art History and Studio Art
- BFA Major in Studio Art

Section 81.110.2 Ceramics Program
- BFA Major in Ceramics

Section 81.110.3 Fibres And Material Practices
- BFA Major in Fibres and Material Practices

Section 81.110.4 Intermedia (Video, Performance And Electronic Arts)
- BFA Major in Intermedia (Video, Performance and Electronic Arts)

Section 81.110.5 Painting And Drawing
- BFA Major in Painting and Drawing

Section 81.110.6 Photography
- BFA Major in Photography

Section 81.110.7 Print Media Programs
- Print Media Program Objective
- BFA Major in Print Media
- Minor in Print Media
- Admission to the Major or Minor in Print Media

Section 81.110.8 Sculpture
- BFA Major in Sculpture

Department of Studio Arts Courses

Department of Studio Arts

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/finearts/studio-arts.html

Department Objectives

The Department of Studio Arts offers programs that emphasize the importance of practical work with practising artists. Through a series of courses in ceramics, drawing, fibres and material practices, intermedia (video, performance and electronic arts), painting, photography, print media, and sculpture, students increase their awareness of what constitutes creativity and understanding of the aesthetic and intellectual aspects of art today.

BFA Major in Art History and Studio Art

Program Requirements

Major in Art History and Studio Art (60 credits)

6 credits:

- ARTH 201 Perspectives of Art History I (3.00)
- ARTH 202 Perspectives of Art History II (3.00)

Note: ARTH 201 and ARTH 202 should be taken as part of the first 30 credits.

3 credits:

- ARTH 300 Art Historical Methods (3.00)

Note: ARTH 300 should be taken as part of the first 60 credits.

21 credits of Art History electives

18 credits of Studio Arts electives

12 credits of Studio Arts courses at the 200 and 300 level, chosen from one of the following areas:

Art Studio Courses

Ceramics Courses

Drawing Courses

Fibres and Material Practices Courses

Intermedia (Video, Performance and Electronic Arts) Courses

Painting Courses

Print Media Courses

Sculpture Courses

Note: The Major in Art History and Studio Art is offered jointly with the Department of Art History.

Notes

Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Major in Art History and Studio Art

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Art History and Studio Art. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process.

For more information concerning these additional requirements and submission deadline dates, please visit the following website:

concordia.ca/finearts/future-students/applying-undergraduate.

BFA Major in Studio Art

Program Objective

The Major in Studio Art offers students the freedom for exploration while still developing proficiency within a disciplinary core. The program encourages the cross-referencing of different creative traditions within a solid, historical, theoretical and studio foundation. Its primary objective is to give students the choice to define their own needs in tailoring an individualized program of studies within open parameters. Students are encouraged to choose among a series of studio art electives and progressively establish their concentration or concentrations through required higher-level disciplinary courses. While promoting a respect for disciplines, the program stresses diversity and versatility across studio options.

Students may select their 48 studio art credits required in any media. There is also a similar range from which students can select 12 credits in Art History. Within these specifications, students may fulfill the requirements of the Major in Studio Art either by specializing in a medium or combining studios in a number of them. However, students must complete one studio course at the 300 level (intermediate) and meet the 400 level (advanced) in the same discipline to fufill their requirements.

Program Requirements

Major in Studio Art (60 credits)

6 credits:

- DRAW 200 Drawing I (6.00)

30 elective credits chosen from:

Studio Arts Courses

12 credits chosen from two six-credit courses at the 300 and 400 level in a single medium from one of the following disciplines:

Art Studio Courses

Ceramics Courses

Drawing Courses

Fibres and Material Practices Courses

Intermedia (Video, Performance and Electronic Arts) Courses

Painting Courses

Print Media Courses

Sculpture Courses

6 elective credits chosen from:

Art History Courses

6 credits chosen from:

Art History Courses

Art Theory Courses

or other history-based courses chosen from:

Cinema Courses

Theatre Courses

or from the following course:

- VDEO 350 Video History and Theory (6.00)

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Major in Studio Art

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Studio Art. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process.

For more information concerning these additional requirements and submission deadline dates, please visit the following website:

concordia.ca/finearts/future-students/applying-undergraduate.

BFA Major in Ceramics

Program Objective

The Ceramics program offers students a unique opportunity to develop individual studio work in a context that links contemporary art practice to a rich and diverse material history. A vital program within the Studio Arts Department, courses in Ceramics regularly include special collaborative projects, field trips and visiting artists. In addition, the Ceramics program provides students with an important point of departure for investigating diverse subjects ranging from traditional craft practice to new technologies. Well-equipped studios and scheduled labs afford students the means to develop technical skills and to seek information specific to their needs. Course content at all levels of the program includes seminar discussion pertinent to both students' work and to the current practice of ceramics. At an advanced level and in consultation with an advisor, students in Ceramics have the opportunity to pursue independent-study courses.

Program Requirements

Major in Ceramics (60 credits)

18 credits:

- CERA 230 Ceramics I (6.00)
- CERA 330 Ceramics II (6.00)
- CERA 430 Ceramics III (6.00)

6 credits chosen from:

Ceramics courses at the 300 level

3 credits:

- CERA 498 Special Topics in Ceramics (3.00)

6 credits:

- ARTH 264 Aspects of the History of Ceramics (3.00)
- ARTH 350 Studies in the History of Ceramics (3.00)

Note: Students may also choose from other related Art History courses

6 credits chosen from:

Art History Courses

Art Theory Courses

or other history-based courses chosen from:

Cinema Courses

Theatre Courses

or from the following course:

- VDEO 350 Video History and Theory (6.00)

21 elective credits chosen from:

Studio Arts Courses

Note: These courses may include Ceramics electives.

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Major in Ceramics

Applicants to Ceramics may apply to enter directly into the Major in Ceramics, or enter the Major in Studio Art with the intention of transferring upon completion of the first year.

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Ceramics. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process.

For more information concerning these additional requirements and submission deadline dates, please visit the following website: concordia.ca/finearts/academics/future-students/applying-undergraduate.

BFA Major in Fibres and Material Practices

Program Objective

Fibres and Material Practices is a cross-media program of study that explores the relationship of materials to culture. Informed by discourses of post-modernism, feminism, and traditional aesthetics, the Fibres and Material Practices program offers an opportunity for intensive study, both practical and theoretical, of the art, technology, and history of textiles. Such creative and critical investigation, allied with technical proficiency, provides the base students need to develop as emerging artists.

Courses are available at all levels, ranging from introductory classes to independent study for advanced students wishing to focus on a single project. Students concentrating in other areas of Studio Arts are welcome to take most courses offered in the Fibres and Material Practices area.

Program Requirements

Major in Fibres and Material Practices (60 credits)

12 credits:

- FBRS 240 Fibre Structures I (6.00)
- FBRS 260 Textile Printing and Dyeing I (6.00)

6 credits chosen from:

Fibres and Material Practices courses at the 300 level

6 credits:

- FBRS 480 Advanced Fibres (6.00)

6 credits:

- ARTH 266 Aspects of the History of Fibre Art (3.00)
- ARTH 352 Studies in the History of Fibre Art (3.00)

6 credits chosen from Art History, Art Theory (ARTT), other history-based courses chosen from Cinema and Theatre, or from the following course:

- VDEO 350 Video History and Theory (6.00)

24 credits of Studio Art electives

Note: These courses may include Fibres and Material Practices electives.

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Major in Fibres and Material Practices

Applicants to Fibres and Material Practices may apply to enter directly into the Major in Fibres and Material Practices, or enter the Major in Studio Art with the intention of transferring upon completion of the first year.

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Fibres and Material Practices. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process.

For more information concerning these additional requirements and submission deadline dates, please visit the following website: concordia.ca/finearts/future-students/applying-undergraduate.

BFA Major in Intermedia (Video, Performance and Electronic Arts)

Program Objective

The Intermedia program offers a rich curriculum that encourages an intermedia cross-pollination between traditional disciplines and new forms of artistic expression using technology and integrated media practices. Students choose from courses in electronic arts, performance art, and video, focusing on one of these streams or selectively combining areas of study in conjunction with other Studio Arts or Faculty of Fine Arts courses. The program provides a learning environment where students can study different combinations of electronics-robotics-programming, video, performance art, immersive environments, and sound art production.

Program Requirements

Major in Intermedia (Video, Performance and Electronic Arts) (60 credits)

3 credits:

- IMCA 220 Introduction to Critical Intermedia Practices (3.00)

9 credits chosen from:

Intermedia courses at the 200 level

Note: These courses may include EAST 231 and SCUL 251.

3 credits:

- IMCA 300 Art, Techne, and Critical Practices (3.00)

9 credits chosen from:

Intermedia courses at the 300 level

6 credits:

- IMCA 400 Advanced Practices in Video, Performance and Electronic Arts (6.00)

12 elective credits chosen from:

Studio Arts Courses

Note: These courses may include Intermedia electives.

6 credits of Fine Arts electives chosen from outside of Studio Art

9 credits chosen from:

Art History Courses

Art Theory Courses

or from the following course:

- VDEO 350 Video History and Theory (6.00)

3 credits:

- ARTH 353 Technology and Contemporary Art (3.00)

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Major in Intermedia (Video, Performance and Electronic Arts)

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Intermedia. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process.

For more information concerning these additional requirements and submission deadline dates, please visit the following website: concordia.ca/finearts/future-students/applying-undergraduate

BFA Major in Painting and Drawing

Program Objective

The Department of Studio Arts provides an in-depth program in Painting and Drawing, combining theoretical, historical, and practical study at all undergraduate levels. The aim is to provide students with a broad foundation on which they can base their own creative contributions.

Studio courses, seminars, and independent projects on such varied topics as collage, pictorial installation, popular culture, and narration supplement the core courses on painting and drawing. Recognizing the importance of providing basic skills and knowledge, in an atmosphere of freedom, the program is supported by a large number of faculty and guest artists, exposing students to a full range of approaches to drawing and painting.

A graduate program in Painting and Drawing is available for further studies.

Program Requirements

Major in Painting and Drawing (60 credits)

6 credits:

- DRAW 200 Drawing I (6.00)

6 credits:

- PTNG 200 Painting I (6.00)

6 credits chosen from a six-credit Drawing course at the 300 level

6 credits chosen from a six-credit Painting course at the 300 level

6 credits chosen from a six-credit Drawing or Painting course at the 400 level

18 elective credits chosen from:

Studio Arts Courses

6 elective credits chosen from:

Art History Courses

6 credits chosen from Art History, Art Theory (ARTT), other history-based courses chosen from Cinema and Theatre, or from the following course:

- VDEO 350 Video History and Theory (6.00)

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Major in Painting and Drawing

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Painting and Drawing. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process.

For more information concerning these additional requirements and submission deadline dates, please visit the following website: concordia.ca/finearts/future-students/applying-undergraduate.

BFA Major in Photography

Program Objective

The Photography program acknowledges photography as a discipline with a distinct artistic and historical identity. It also recognizes that contemporary photographic practice encompasses a rich multiplicity of formal and conceptual approaches. The course structure of the program and the orientation of its faculty reflect a concern that the students receive a strong historical and theoretical comprehension of the medium. The program stresses the need for students to acquire the concepts and vocabulary necessary for critical discussion of their own photographic work and that of others. Emphasis is placed on the understanding of photography's sociological and artistic ramifications.

Program Requirements

Major in Photography (60 credits)

27 credits:

- PHOT 211 Black-and-White Photography I (3.00)
- PHOT 220 Foundations in Contemporary Photographic Digital Practice (6.00)
- PHOT 300 Photographic Vision: Theory and Practice (6.00)
- PHOT 311 Large Format Photography I (3.00)
- PHOT 330 Intermediate Contemporary Photographic Digital Practice (3.00)
- PHOT 400 Advanced Workshop in Photography (6.00)

9 elective credits chosen from:

Photography Courses

6 credits:

- ARTH 267 Aspects of the History of Photography (3.00)
- ARTH 359 Studies in Contemporary Photographic Art (3.00)

6 elective credits chosen from:

Art History Courses

Art Theory Courses

12 elective credits chosen from:

Studio Arts Courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Major in Photography

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major in Photography. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process.

For more information concerning these additional requirements and submission deadline dates, please visit the following website: concordia.ca/finearts/future-students/applying-undergraduate.

Print Media Program Objective

The Print Media program provides students with a milieu to investigate the meaningful relationships that exist between the technologies of reproduction, individual expression, and contemporary society. Print Media offers multiple venues for student research from intaglio, lithography, and serigraphy to digital and virtual approaches. Experimental, innovative, and critical work is encouraged. Special topics and theory courses provide support for individual aesthetic development and explore the intersections of interdisciplinary practice.

Students in the Print Media program are expected to develop a strong critical understanding of their work and its relationship to contemporary society, as well as develop professional skills and an awareness of the diversity inherent in art practice.

BFA Major in Print Media

Program Requirements

Major in Print Media (60 credits)

36 credits chosen from Print Media Courses as follows:

9–12 credits at the 200 level
12–21 credits at the 300 level
6–18 credits at the 400 level

6 elective credits chosen from:

Studio Arts Courses

6 elective credits chosen from Fine Arts courses

6 elective credits chosen from:

Art History Courses

6 credits chosen from:

Art History Courses

or other history-based courses chosen from:

Cinema Courses

Theatre Courses

or from the following course:

- VDEO 350 Video History and Theory (6.00)

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Print Media

Program Requirements

Minor in Print Media (30 credits)

18 credits chosen from Print Media Courses as follows:

6–9 credits at the 200 level
6–9 credits at the 300 level
3–6 credits at the 400 level

6 elective credits chosen from:

Studio Arts Courses

6 elective credits chosen from Fine Arts courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Major or Minor in Print Media

Applicants to Print Media may apply to enter directly into the Major in Print Media or may enter the Major in Studio Artwith theintention of transferring upon completion of the first year.

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to the Major or Minor in Print Media. All applicants must submit a portfolio, as well as a letter of intent, as part of the admission process. For more information concerning these additional requirements andsubmission deadline dates, please visit the following website: concordia.ca/finearts/future-students/applying-undergraduate.

BFA Major in Sculpture

Program Objective

The Sculpture program incorporates contemporary genres with divergent approaches to the discipline, ranging from performance to video installation, built environments, and 3D-digital applications, on to convergences of these ideas to the notion of intervention practices. Within the Fine Arts curriculum, these courses offer the opportunity for intensive study in both practical and theoretical contexts encouraging students to explore the relationships between object, material, body, and space. Such creative investigation, allied with technical proficiency, provides the base for students to develop an understanding of a broad range of sculptural issues. Courses are available at all levels, including independent study for advanced students wishing to focus on a single topic or project. To enrich their artistic training, students concentrating in other areas of Fine Arts may also take most courses offered in sculpture.

Program Requirements

Major in Sculpture (60 credits)

15 credits:

- SCUL 211 Sculpture as Decolonial Practices (3.00)
- SCUL 310 Sculpture and Spatial Practices (6.00)
- SCUL 410 Sculpture as Practice (6.00)

9 credits chosen from Sculpture Courses at the 200 level

6 credits chosen from Sculpture Courses at the 300 level

18 elective credits chosen from Studio Arts Courses

6 elective credits chosen from Art History Courses

6 credits chosen from:

Art History Courses

Art Theory Courses

or other history-based courses chosen from:

Cinema Courses

Theatre Courses

or from the following course:

- VDEO 350 Video History and Theory (6.00)

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to the Major in Sculpture

Applicants to Sculpture may apply to enter directly into the Major in Sculpture, or enter the Major in Studio Art with the intention of transferring upon completion of the first year.

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to Sculpture. All applicants must submit a portfolio of their own work, as well as a letter of intent, as part of the admission process. For more information concerning these additional requirements and submission deadline dates, please visit the following website: concordia.ca/finearts/future-students/applying-undergraduate.

Department of Studio Arts Courses

Quick Links

Art Studio Courses

Art Theory Courses

Ceramics Courses

Drawing Courses

Fibres and Material Practices Courses

Intermedia (Video, Performance and Electronic Arts) Courses

Painting Courses

Photography Courses

Print Media Courses

Sculpture Courses

Video Courses

Note

While priority is given to students within the program, students wishing to enrol in these courses must meet one of the following prerequisites:

- Enrolment in a major or minor program in the Department of Studio Arts.
- Enrolment in a BFA program with credit requirements in Studio Arts.
- Written permission of the program director as determined by portfolio submission and space availability.

Art Studio Courses

ARTX 201 Introduction to Contemporary Art Practices (3 credits)

Prerequisite/Corequisite:

Enrolment in a BFA degree program is required. If prerequisites are not satisfied, permission of the program coordinator is required, as determined by portfolio submission. Please consult the Department of Studio Arts website for more information about the portfolio submission process.

Description:

This introductory level studio course familiarizes students with interdisciplinary and transdisciplinary approaches to art making. It invites students who wish to work in a variety of media including drawing, painting, sculpture, sound and video.

Component(s):

"Studio"

Notes:

- A limited number of spaces are open to Studio Arts Department students.
- Students who have completed ARTX classes may not take this course for credit.

ARTX 280 Introduction to Integrated Studio in Contemporary Art Practices (6 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) written permission of the program director as determined by portfolio submission and space availability.

Description:

A studio course designed to familiarize students with contemporary art practice and theory in its diverse manifestations. The course questions the boundaries of traditional art disciplines and engages the creative potential of transdisciplinary studio practice with a range of projects that explore, among other things, gesture, mapping, mark-making and time-based image and sound, as well as performative and environmental installation.

Component(s):

"Studio"

ARTX 380 Intermediate Integrated Studio in Contemporary Art Practices (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: any 200-level studio course offered by the Department of Studio Arts.

Description:

This is an intermediate studio course in which students explore and develop a self-directed body of work. The content and context of the course are diverse and students use a wide range of approaches to and methodologies for contemporary art production. The course provides students with opportunities to examine potential roles for the artist today and is based on professional practices including art research, artist writings and exhibition projects.

Component(s):

"Studio"

ARTX 398 Special Topics in Contemporary Studio Arts Practice (3 credits)

Prerequisite/Corequisite:

Enrolment in a BFA program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course brings together students with a practice based in any of the studio disciplines, and/or who have been following an interdisciplinary practice, allowing discussion and exchange on their work in relation to the aspect of art making

that this special topic addresses.

Component(s):

"Studio"

ARTX 399 Special Topics in Contemporary Studio Arts Practice (6 credits)

Prerequisite/Corequisite:

Enrolment in a BFA program is required. If prerequisites are not satisfied, written permission of the Department of Studio Arts is required.

Description:

This studio course brings together students with a practice based in any of the studio disciplines, and/or who have been following an interdisciplinary practice, allowing discussion and exchange on their work in relation to the aspect of art making that this special topic addresses.

Component(s):

"Studio"

ARTX 480 Advanced Integrated Studio in Contemporary Art Practices (6 credits)

Prerequisite/Corequisite:

A 300-level studio course must be completed prior to enrolling. Enrolment in a program offered by the Department of Studio Arts is required. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This course is structured to support advanced students in the development of a mature and self-directed body of work within a transdisciplinary framework.

Component(s):

"Studio"

ARTX 490 Independent Study (6 credits)

Prerequisite/Corequisite:

A 400-level Studio Arts course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. A minimum cumulative GPA of 3.5 and written permission of the Department is required.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in a specific interdisciplinary project under the supervision of a full-time ARTX faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a six-credit course.

Component(s):

"Studio"

ARTX 491 Independent Study I (3 credits)

Prerequisite/Corequisite:

A 400-level Studio Arts course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. A minimum cumulative GPA of 3.5 and written permission of the Department is required.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in a specific interdisciplinary project under the supervision of a full-time ARTX faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

ARTX 492 Independent Study II (3 credits)

Prerequisite/Corequisite:

A 400-level Studio Arts course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. A minimum cumulative GPA of 3.5 and written permission of the Department is required.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in a specific interdisciplinary project under the supervision of a full-time ARTX faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

Art Theory Courses

ARTT 398 Special Topics in Studio Arts: Ideas and Issues (3 credits)

Prerequisite/Corequisite:

Enrolment in a BFA program is required. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This seminar course provides the opportunity for students of various studio practices to discuss changing issues in theory/practice. Visual material, directed readings, exhibition visits, and invited speakers will be determined by the special topic.

Component(s):

"Lecture"

ARTT 399 Special Topics in Studio Arts: Ideas and Issues (6 credits)

Prerequisite/Corequisite:

Enrolment in a BFA program is required. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This seminar course provides the opportunity for students of various studio practices to discuss changing issues in theory/practice. Visual material, directed readings, exhibition visits, and invited speakers will be determined by the special topic.

Component(s):

"Lecture"

ARTT 470 Professional Internship (6 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in their degree program prior to enrolling. Written permission of the Department is required.

Description:

Students wishing to work in an internship capacity within an artistic/cultural environment may apply for academic credit. The internship is carried out under the joint supervision of a qualified professional (from within or outside the University) and a full-time Studio Arts faculty member. A clearly defined agreement between the Department, the student, and the artist or institution involved will be arrived at before the internship is undertaken. This agreement should state clearly the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate appreciable learning potential for the student.

Component(s):

"Practicum/Internship/Work Term"

ARTT 471 Professional Internship I (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in their degree program prior to enrolling. Written permission of the Department is required.

Description:

Students wishing to work in an internship capacity within an artistic/cultural environment may apply for academic credit. The internship is carried out under the joint supervision of a qualified professional (from within or outside the University) and a full-time Studio Arts faculty member. A clearly defined agreement between the Department, the student, and the artist or institution involved will be arrived at before the internship is undertaken. This agreement should state clearly the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate appreciable learning potential for the student.

Component(s):

"Practicum/Internship/Work Term"

ARTT 472 Professional Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ARTT 471. Students must have completed 48 credits in their degree program prior to enrolling. Written permission of the Department is required.

Description:

Students wishing to work in an internship capacity within an artistic/cultural environment may apply for academic credit. The internship is carried out under the joint supervision of a qualified professional (from within or outside the University) and a full-time Studio Arts faculty member. A clearly defined agreement between the Department, the student, and the artist or institution involved will be arrived at before the internship is undertaken. This agreement should state clearly the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate appreciable learning potential for the student.

Component(s):

"Practicum/Internship/Work Term"

Ceramics Courses

CERA 201 Introduction to Ceramics (3 credits)

Prerequisite/Corequisite:

Enrolment in a BFA degree program excluding the Major in Ceramics is required. If prerequisites are not satisfied, permission of the program coordinator is required, as determined by portfolio submission. Please consult the Department of Studio Arts website for more information about the portfolio submission process.

Description:

This introductory-level course covers fundamental ceramic techniques including handbuilding, glazing and firing.

Component(s):

"Studio"

Notes:

- Students in the Major in Ceramics may not take this course for credit.
- A limited number of spaces are open to Studio Arts Department students.

- Students who have completed CERA classes may not take this course for credit.

CERA 230 Ceramics I (6 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) written permission of the program director as determined by portfolio submission and space availability.

Description:

An introduction to clay as an art medium employing the various techniques of forming, shaping, and decorating for firing and glazing.

CERA 330 Ceramics II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: CERA 230. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

An advanced course in technical and historical research in various ceramic processes with an emphasis on glazes and the use of different clay bodies.

Component(s):

"Studio"

CERA 391 Urban Clay (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: CERA 230. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

This course expands the way ceramics can be experienced in relation to the city through the production of public artworks. Students develop projects in public spaces on Concordia's campus from an initial project proposal through exhibition. Topics include installation strategies, site-specificity, public art and contemporary ceramics as well as the techniques of mould-making and slip-casting.

Component(s):

"Studio"

CERA 392 Surface Tension (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: CERA 230. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

This course involves an in-depth study of the ceramic surface including print and transfer techniques, and layering glaze through multiple firings. Contemporary approaches to ornament are introduced as students develop their own patterns and imagery, utilizing digital and traditional techniques.

CERA 398 Special Topics in Ceramics (3 credits)

Description:

A workshop/seminar, providing an opportunity for the study of specialized aspects of ceramics. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

CERA 399 Special Topics in Ceramics (6 credits)

Prerequisite/Corequisite:

Written permission of the Department is required.

Description:

A workshop/seminar course providing an opportunity for the study of specialized aspects in ceramics.

CERA 430 Ceramics III (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: CERA 330. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

The development of a body of personal work and a refinement of specific problems in clay.

Component(s):

"Studio"

CERA 450 Independent Study (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: CERA 430. Students must have completed 48 credits in the Major in Ceramics prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of

3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in ceramics under the supervision of a full-time ceramics faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a six-credit course.

Component(s):

"Studio"

CERA 451 Independent Study I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: CERA 430. Students must have completed 48 credits in the Major in Ceramics prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in ceramics under the supervision of a full-time ceramics faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

CERA 452 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: CERA 430. Students must have completed 48 credits in the Major in Ceramics prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in ceramics under the supervision of a full-time ceramics faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

CERA 498 Special Topics in Ceramics (3 credits)

Prerequisite/Corequisite:

A 300-level CERA course must be completed previously or concurrently prior to enrolling. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

An advanced studio course that provides an opportunity for the study of more specialized aspects of ceramics. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

CERA 499 Special Topics in Ceramics (6 credits)

Description:

An advanced studio course which provides an opportunity for the study of more specialized aspects of ceramics. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

Drawing Courses

DRAW 200 Drawing I (6 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) written permission of the program director as determined by portfolio submission and space availability.

Description:

A studio course which provides a technical and conceptual introduction to drawing focusing on the distinctive and interdisciplinary nature of the practice. Various media are employed to examine and express form, space, and composition through a variety of graphic subject matter. Drawing from observation, imagination, and memory are covered.

Component(s):

"Studio"

DRAW 201 Introduction to Drawing (3 credits)

Prerequisite/Corequisite:

Enrolment in a BFA degree program excluding the Major in Painting and Drawing is required. If prerequisites are not satisfied, permission of the program coordinator is required, as determined by portfolio submission. Please consult the Department of Studio Arts website for more information about the portfolio submission process.

Description:

This course introduces students to elementary skills required by the art of drawing. It covers fundamental drawing techniques and explores various mediums and concepts of drawing in th historical and contemporary art world.

Component(s):

"Studio"

Notes:

- Students in the Major in Painting and Drawing may not take this course for credit.
- A limited number of spaces are open to Studio Arts Department students.
- Students who have completed DRAW classes may not take this course for credit.

DRAW 298 Special Topics in Drawing (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) written permission of the program director as determined by portfolio submission and space availability.

Description:

A studio course which provides an opportunity for the study of more specialized aspects of drawing.

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

DRAW 299 Special Topics in Drawing (6 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) written permission of the program director as determined by portfolio submission and space availability.

Description:

A studio course which provides an opportunity for the study of more specialized aspects of drawing.

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

DRAW 300 Drawing II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DRAW 200.

Description:

This studio course is an intermediate drawing course in which directed projects allow students to explore different approaches to drawing and to begin to develop a more personal visual language based on the skill sets acquired at the 200 level. Historical and contemporary issues in art practice are addressed in this course.

Component(s):

"Studio"

DRAW 310 Narration, Time, Stories I (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DRAW 200.

Description:

This studio course encourages drawing based on personal experience or fictitious content, and the influence of film, books, diaries and illustration. A focus on character, setting and alternate worlds all contribute to a re-emerging interest in narrative forms such as temporality, playback, loops and sequencing.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DRAW 399 number may not take this course for credit.

DRAW 312 Drawing and Knowledge I (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DRAW 200.

Description:

This studio course explores a range of conceptual approaches to drawing using both traditional and experimental methods. Drawing is used as a means to question and make propositions about bodies of knowledge.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DRAW 399 number may not take this course for credit.

DRAW 314 Life in the Round: Drawing the Figure from Observation I (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DRAW 200.

Description:

This studio course focuses on the experience of seeing and depicting the living human body in all its complexity and presence.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DRAW 399 number may not take this course for credit.

DRAW 398 Special Topics in Drawing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DRAW 200.

Description:

A studio course which provides an opportunity for the study of more specialized aspects of drawing. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

DRAW 399 Special Topics in Drawing (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DRAW 200. Written permission of the Department is required.

Description:

A studio course which provides an opportunity for the study of more specialized aspects of drawing.

Component(s):

"Studio"

DRAW 400 Drawing III (6 credits)

Prerequisite/Corequisite:

A 300-level DRAW course must be completed prior to enrolling.

Description:

An advanced drawing class in which students develop a series of self-directed projects in order to create a coherent body of work in drawing and to situate it within contemporary practice. Independent studio practice is supplemented by readings, lectures, seminars, museum/gallery visits and visiting artists.

Component(s):

"Studio"

DRAW 410 Narration, Time, Stories II (6 credits)

Prerequisite/Corequisite:

A 300-level DRAW course must be completed prior to enrolling.

Description:

This advanced-level studio course encourages drawing based on personal experience or fictitious content, and the influence of film, books, diaries and illustration. A focus on character, setting and alternate worlds all contribute to a re-emerging interest in narrative forms such as temporality, playback, loops and sequencing.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DRAW 499 number may not take this course for credit.

DRAW 412 Drawing and Knowledge II (6 credits)

Prerequisite/Corequisite:

A 300-level DRAW course must be completed prior to enrolling.

Description:

This advanced-level studio course explores a range of conceptual approaches to drawing using both traditional and experimental methods. Drawing is used as a means to question and make propositions about bodies of knowledge.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DRAW 499 number may not take this course for credit.

DRAW 414 Life in the Round: Drawing the Figure from Observation II (6 credits)

Prerequisite/Corequisite:

A 300-level DRAW course must be completed prior to enrolling.

Description:

This advanced-level studio course focuses on the experience of seeing and depicting the living human body in all its complexity and presence.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DRAW 499 number may not take this course for credit.

DRAW 418 Life in the Round: Drawing the Figure from Observation II (6 credits)

Prerequisite/Corequisite:

A 300-level DRAW course must be completed prior to enrolling.

Description:

An installation studio course taught by the Painting and Drawing area that encourages students to create work in the context of an expanded field. It includes experimental pictorial, spatial, performative and conceptual responses to site considerations using collage/assemblage, shaped canvases, text/image, objects, paint and unconventional materials.

Notes:

- Students who have received credit for PTNG 418, or for this topic under a DRAW 499 or PTNG 499 number, may not take this course for credit.

DRAW 420 Seminar/Workshop in Drawing (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 320. If prerequisites are not satisfied, written permission of the Department is required.

Description:

An advanced studio in drawing having its principal emphasis in studio practice, but developing further the theoretical concepts introduced in PTNG 320.

Notes:

- Students who have received credit for ART 320 may not take this course for credit.

DRAW 450 Drawing IV (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DRAW 400.

Description:

An advanced drawing class in which students develop a series of independent projects that allow them to create a coherent body of work in drawing and to situate it within contemporary practice. Independent studio production is supplemented by readings, lectures, seminars, museum/gallery visits and visiting artists.

Component(s):

"Studio"

DRAW 470 Independent Study (6 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in their degree program prior to enrolling. A 400-level DRAW course must be completed previously or concurrently prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in drawing under the supervision of a full-time drawing faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a six-credit course.

Component(s):

"Studio"

DRAW 471 Independent Study I (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in their degree program prior to enrolling. A 400-level DRAW course must be completed previously or concurrently prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in drawing under the supervision of a full-time drawing faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

DRAW 472 Independent Study II (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in their degree program prior to enrolling. A 400-level DRAW course must be completed previously or concurrently prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in drawing under the supervision of a full-time drawing faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

DRAW 498 Special Topics in Drawing (3 credits)

Description:

A course for advanced students which provides an opportunity for the study of more specialized areas in drawing. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

DRAW 499 Special Topics in Drawing (6 credits)

Description:

A course for advanced students which provides an opportunity for the study of more specialized areas in drawing. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

Fibres and Material Practices Courses

FBRS 201 Introduction to Fibres and Material Practices (3 credits)

Prerequisite/Corequisite:

Enrolment in a BFA degree program excluding the Major in Fibres and Material Practices is required. If prerequisites are not satisfied, permission of the program coordinator is required, as determined by portfolio submission. Please consult the Department of Studio Arts website for more information about the portfolio submission process.

Description:

This course introduces students to elementary fibres processes and related tools. It covers fundamental 2-dimensional and 3-dimensional fibres techniques, including stitch work, felt making, and off-loom structures.

Notes:

- Students in the Major in Fibres and Material Practices may not take this course for credit.
- A limited number of spaces are open to Studio Arts Department students.

- Students who have completed FBRS classes may not take this course for credit.

FBRS 240 Fibre Structures I (6 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) written permission of the program director as determined by portfolio submission and space availability.

Description:

An introductory course in which students explore the expressive potential of various materials and processes of fibre structures such as loom weaving, feltmaking, basketry, surface applications, and other experimental constructions.

Component(s):

"Studio"

FBRS 260 Textile Printing and Dyeing I (6 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) written permission of the program director as determined by portfolio submission and space availability.

Description:

An introductory course in which students explore the creative potential of printing, painting, dyeing, resist work, and construction with fabric.

Component(s):

"Studio"

FBRS 331 Papermaking: Pulp as Material (3 credits)

Prerequisite/Corequisite:

Students must have completed 12 credits within their degree pathway prior to enrolling. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

This course considers the potentials of paper pulp as a fibres medium, and introduces methods of selecting, harvesting and processing various raw materials to make pulp.

Component(s):

"Studio"

Notes:

- Students who have received credit for FBRS 371 or FBRS 372 may not take this course for credit.

FBRS 341 Intermediate Fibre Structures (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FBRS 240. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

An intermediate-level studio course, which emphasizes the visual and conceptual development in fibre media. Complex woven structures, fibre sculpture, installation practices, and other experimental approaches are explored.

Component(s):

"Studio"

Notes:

- Students who have received credit for FBRS 340 may not take this course for credit.

FBRS 361 Intermediate Textile Printing and Dyeing (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FBRS 260. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

An intermediate-level studio course in textile printing and dyeing with an emphasis on the development of content. Interdisciplinary approaches such as photo processes and sculptural installation are combined with traditional print and dye techniques.

Component(s):

"Studio"

Notes:

- Students who have received credit for FBRS 360 may not take this course for credit.

FBRS 371 Papermaking: Sheet as Method (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FBRS 331 . If prerequisites are not satisfied, permission of the coordinator is required.

Description:

This studio course introduces both Western and Eastern (Japanese) papermaking sheet formation methods to be used in expressive art forms. Students learn printing, cutting, dyeing and bookbinding techniques in the consideration of paper as surface and medium.

Component(s):

"Studio"

FBRS 372 Papermaking: Object and Installation (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FBRS 331 . If prerequisites are not satisfied, permission of the coordinator is required.

Description:

This studio course explores papermaking as part of an expressive material practice through sculptural processes such as vacuum relief, casting, and armature building. These processes are explored alongside interdisciplinary approaches such as assemblage and the book as object, among others.

Component(s):

"Studio"

FBRS 385 Issues in Material Practices (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FBRS 240 or FBRS 260. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

This studio course explores contemporary social, material and cultural issues addressed through fibre and interdisciplinary studio art practices. Assigned readings inform critiques and discussions. Examples of possible title offerings may include Textiles and Identity; The Sustainable Studio; Textiles Without Borders; Transformative Cloth; and Social and Political Practices in Studio Art, among others.

Component(s):

"Studio"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

FBRS 386 Digital Technologies and Material Practices (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FBRS 240 or FBRS 260. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

This studio course combines digital and material approaches within the context of contemporary studio practice. Topics may include software for textile arts, electronic textiles, or other thematic subjects that are combined with electrical and material practices. Other topics may include the use of digital technologies for imaging, pattern development, and textile structures.

Component(s):

"Studio"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

FBRS 395 Extreme Fibres (3 credits)

Prerequisite/Corequisite:

Students must have completed 18 credits in Studio Art courses prior to enrolling. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

This studio course tests the boundaries of fibres practices to produce innovative and experimental studio work. Students are encouraged to expand individual interests in challenging ways. Topics may include Textile Arts in Public Spaces; Wildly Interdisciplinary Practices; Fibres and Time-Based Media; Radical Papermaking; and Fibres Off-Site, among others.

Component(s):

"Studio"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

FBRS 396 Topics in Fibre Surfaces (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FBRS 260. Students must have completed 18 credits in Studio Art courses prior to enrolling. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

A studio course providing an opportunity for specialized study and practice in fibres surfaces, to explore theoretical, critical, and practical issues of interest to the student towards developing their individual aesthetic in contemporary art.

Component(s):

"Studio"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

FBRS 397 Topics in Fibre Structures (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FBRS 240. Students must have completed 18 credits in Studio Art courses prior to enrolling. If prerequisites are not satisfied, permission of the coordinator is required.

Description:

A studio course providing an opportunity for specialized study and practice in fibres structures, in which to explore contemporary theoretical, critical, and practical issues of interest to the student towards developing a personal aesthetic in art practice.

Component(s):

"Studio"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

FBRS 398 Special Topics in Fibres and Material Practices (3 credits)

Prerequisite/Corequisite:

Written permission of the Department is required.

Description:

A workshop/seminar course providing an opportunity for study of specialized aspects of fibres.

FBRS 399 Special Topics in Fibres and Material Practices (6 credits)

Prerequisite/Corequisite:

Written permission of the Department is required.

Description:

A workshop/seminar course providing an opportunity for the study of specialized aspects in fibres.

FBRS 450 Independent Study (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: FBRS 480. Students must have completed 48 credits in the Major in Fibres and Material Practices prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in fibres under the supervision of a full-time fibres faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a six-credit course.

Component(s):

"Studio"

FBRS 451 Independent Study I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: FBRS 480. Students must have completed 48 credits in their degree program prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in fibres under the supervision of a full-time fibres faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

FBRS 452 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: FBRS 480. Students must have completed 48 credits in their degree program prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in fibres under the supervision of a full-time fibres faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

FBRS 480 Advanced Fibres (6 credits)

Prerequisite/Corequisite:

Students must have completed six credits in Fibres and Material Practices at the 300 level prior to enrolling. If prerequisites are not satisfied, written permission of the Fibres and Material Practices coordinator is required.

Description:

An advanced-level course in which students create a personal body or work, refine technical expertise, and develop a visual and critical language related to fibres and textiles.

Component(s):

"Studio"

FBRS 481 Professional Internship I (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in a Studio Arts program prior to enrolling. Written permission of the Department is required.

Description:

Internships are designed to provide professional experience to students. Students seeking to work in an apprentice capacity with an established artist, or wishing to pursue research in a fibres studio, or research in fibres criticism, museum work, publication, or other related endeavours, may apply for academic credit. The internship is carried out under the joint supervision of a qualified professional (internal or external to the University) and a full-time Fibres and Material Practices faculty member. A clearly defined agreement between the Department, the student, and the artist or institution involved will be arrived at before the Professional Internship is undertaken. Students are required to submit a proposal that clearly defines the learning objectives of the internship and the expected workload (which should equal the hours required for a three-credit course). A Professional Internship request form must be completed and approved by the faculty supervisor and the Department Chair prior to registration permission. Students will supply a report upon completion of the internship to the faculty supervisor and an evaluation from the external supervisor will inform the final grade submitted by the faculty supervisor.

Component(s):

"Practicum/Internship/Work Term"

FBRS 482 Professional Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: FBRS 481. Students must have completed 48 credits in a Studio Arts program prior to enrolling. Written permission of the Department is required.

Description:

Internships are designed to provide professional experience to students. Students seeking to work in an apprentice capacity with an established artist, or wishing to pursue research in a fibres studio, or research in fibres criticism, museum work, publication, or other related endeavours, may apply for academic credit. The internship is carried out under the joint supervision of a qualified professional (internal or external to the University) and a full-time Fibres and Material Practices faculty member. A clearly defined agreement between the Department, the student, and the artist or institution involved will be arrived at before the Professional Internship is undertaken. Students are required to submit a proposal that clearly defines the learning objectives of the internship and the expected workload (which should equal the hours required for a three-credit course). A Professional Internship request form must be completed and approved by the faculty supervisor and the

Department Chair prior to registration permission. Students will supply a report upon completion of the internship to the faculty supervisor and an evaluation from the external supervisor will inform the final grade submitted by the faculty supervisor.

Component(s):

"Practicum/Internship/Work Term"

Intermedia (Video, Performance and Electronic Arts) Courses

IMCA 201 Introduction to Intermedia Arts (3 credits)

Prerequisite/Corequisite:

Enrolment in a BFA degree program excluding the Major in Intermedia is required. If prerequisites are not satisfied, permission of the program coordinator is required, as determined by portfolio submission. Please consult the Department of Studio Arts website for more information about the portfolio submission process.

Description:

This introductory-level course covers fundamental ideas and techniques related to Video Art, Performance Art and Electronic Art. It introduces students to the theoretical and historical background of Intermedia Arts and allows them to develop artistic projects related to these art forms.

Component(s):

"Studio"

Notes:

- Students in the Major in Intermedia may not take this course for credit.
- Students are required to bear the cost of materials.
- A limited number of spaces are open to Studio Arts Department students.
- Students who have completed IMCA classes may not take this course for credit.

IMCA 210 Introduction to Video Production (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following conditions: 1) enrolment in a major program in the Department of Studio Arts; 2) written permission of the program director as determined by portfolio submission and space availability.

Description:

This studio/seminar course introduces video technology as a tool for aesthetic investigations. Students work individually and collaboratively to develop a proficiency in the medium and evolve their own thematic and formal concerns. The course introduces basic pre-production, production, and post-production skills to present basic concepts of non-linear editing. Issues specific to video are discussed through the analysis and demonstration of video art.

Component(s):

"Studio"

Notes:

- Students who have received credit for VDEO 300 may not take this course for credit.

IMCA 220 Introduction to Critical Intermedia Practices (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following conditions: 1) enrolment in a major program in the Department of Studio Arts; 2) permission of the Area Head, IMCA and space availability.

Description:

This studio course is an introduction to critical, experimental, and hybrid intermedia practices for Intermedia Majors. Students are introduced to different digital translation techniques, protocols, and compression formats; while learning about sound, video performance, and electronic artists. Students learn how to create intermedia artworks using audiovisual techniques and software, in combination with collaborative, embodied and interactive approaches.

Component(s):

"Studio"

IMCA 221 Programming for Artists (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following conditions: 1) enrolment in a major program in the Department of Studio Arts; 2) permission of the Area Head, IMCA and space availability.

Description:

This studio course is an introduction to basic programming techniques used to create interactive art projects. It is centered on learning the basics of popular programming environments such as MaxMSP and Jitter, currently used for installation and performance works in interactive music, sound art, interactive video, telematic art, robotics, and more. This course allows students to explore non-screen-based approaches to audiovisual control as well as the more traditional keyboard-and-mouse interface.

Component(s):

"Studio"

IMCA 222 Electronics for Artists (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following conditions: 1) enrolment in a major program in the Department of Studio Arts; 2) written permission of the program director as determined by portfolio submission and space availability.

Description:

This studio course is an introduction to electronics as applied to artistic projects. It focuses on practical applications of basic electronic principles and techniques and the integration of electronic components and circuits in works of art. From basic electricity to motor control, from flashers and beepers to motion detectors, from analog circuits to digital technologies, it allows students to create artworks involving light, sound, movement, sensors, and interactivity.

Component(s):

"Studio"

Notes:

- Students who have received credit for EART 300 may not take this course for credit.

IMCA 230 Performance Art (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following conditions: 1) enrolment in a major program in the Department of Studio Arts; 2) written permission of the program director as determined by portfolio submission and space availability.

Description:

This studio course investigates performance art as a form of social and artistic intervention that crosses between the visual and performing arts. Reflecting the long-standing and historical importance of performance practices in the visual arts, students focus on the production of projects that may reflect such issues as real-time, site-specific, interventionist actions, the interrelationship between installations and performances, and the interdisciplinary interface between performance and other practices found in the performing arts. This course also examines video performance and photography as media for generating performative gestures and as documentation tools.

Component(s):

"Studio"

IMCA 300 Art, Techne, and Critical Practices (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: IMCA 220. Students must have completed 24 credits in a degree program offered by the Department of Studio Arts prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this intermediate-level studio course with a seminar component, students learn how different technologies - across media, interactive platforms, AI, social networks, and extended reality - shape contemporary society and artistic practice. Students learn how contemporary artists hack and repurpose media to critically engage with identity, gender, race, class, and power structures.

Component(s):

"Studio"

Notes:

- A course fee and/or lab fee may be required.

- Students who have received credit for this topic under an IMCA 398 number may not take this course for credit.

IMCA 310 Intermediate Video Production (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: IMCA 210. The following course must be completed previously or concurrently: VDEO 350. Students must have completed 24 credits in a degree program offered by the Department of Studio Arts prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This studio/seminar course introduces video technology as a tool for aesthetic investigations. Students work individually and collaboratively to develop proficiency in the medium and evolve their own thematic and formal concerns. Discussions, facilitated by video screenings, workshops, and readings, focus on class projects, student work, and a discussion of related art issues. In addition, this course offers students an opportunity to investigate other cultural practices that inform and interrogate contemporary video art.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of materials.
- Students who have received credit for VDEO 300 may not take this course for credit.

IMCA 321 Interactive Technologies (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: IMCA 221, IMCA 222. Students must have completed 24 credits in a degree program offered by the Department of Studio Arts prior to enrolling. Students must have completed six credits of Intermedia courses at the 200-level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course focuses on interactive technologies in relation to contemporary art practices (for example, installation, performance, kinetic sculpture, and sound art). Students may pursue individual or team work while developing their artistic project. This course is centered on programming environments (such as MaxMSP, Jitter) and focuses on interactivity through the use of various sensors and interfaces, and on popular and easy-to-learn microcontrollers.

Component(s):

"Studio"

Notes:

- Students are required to bear the costs related to this course

IMCA 322 Robotics for Artists (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits in a degree program offered by the Department of Studio Arts prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This studio course focuses on robotic technologies applied to the arts and electronics, mechanics and programming integration. The emphasis is on an interdisciplinary and cybernetic approach to audiovisual media control and expression including movement, sound, lighting, and video using computers and electronics. In order to develop robotic art projects, students create interactive systems and machine behaviours through the use of various sensors and actuators.

Component(s):

"Studio"

Notes:

- Students are required to bear the costs related to this course.
- IMCA 221 and/or IMCA 222 are not mandatory, but are recommended.
- Students who have received credit for IMCA 330 may not take this course for credit.

IMCA 331 Intermedia and Interventionist Performance Practices (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: IMCA 221 or IMCA 222; IMCA 230. Students must have completed 24 credits in a degree program offered by the Department of Studio Arts and six credits of Intermedia courses at the 200-level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

An intermediate-level studio class with a seminar component focusing on the development of site-specific projects based on video, performance and electronic arts. The seminar component of the course includes a series of readings and the presentation of an extensive range of work by artists.

Component(s):

"Studio"

Notes:

- Students who have received credit for IMCA 330 may not take this course for credit.

IMCA 332 Intermedia, Performance Practices and Performative Video (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: IMCA 210, IMCA 230. Students must have completed 24 credits in a degree program offered by the Department of Studio Arts and six credits of Intermedia courses at the 200-level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

This intermediate-level studio class with a seminar component focuses on the development of intermedia projects based on video, expanded moving image practices, sound, performance and electronic arts. The seminar component of the course includes a series of readings and the presentation of an extensive range of work by artists.

Component(s):

"Studio"

Notes:

- Students who have received credit for IMCA 330 may not take this course for credit.

IMCA 398 Special Topics in Intermedia (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits in a degree program offered by the Department of Studio Arts prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This studio course provides an opportunity for study and practice of specialized aspects of intermedia.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

IMCA 399 Special Topics in Intermedia (6 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits in a degree program offered by the Department of Studio Arts prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This studio course provides an opportunity for study and practice of specialized aspects of intermedia.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

IMCA 400 Advanced Practices in Video, Performance and Electronic Arts (6 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in a degree program offered by the Department of Studio Arts and six credits of Intermedia courses at the 300-level prior to enrolling. If prerequisites are not satisfied, permission of the Department is required.

Description:

An advanced studio class in which students create a personal body of work, refine technical expertise, and develop a visual and critical language related to video, performance, and electronic arts. Topics are presented and discussed in seminar fashion. A group exhibition at the end of the year is required.

Component(s):

"Studio"

Notes:

- Students are expected to bear the costs related to this course.
- Students who have received credit for this topic under an IMCA 499 number may not take this course for credit.

IMCA 470 Independent Study in Intermedia (6 credits)

Prerequisite/Corequisite:

A 400-level IMCA course must be completed previously or concurrently. Students must complete 48 credits in the degree program prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in intermedia under the supervision of a full-time intermedia faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a six-credit course.

Component(s):

"Studio"

IMCA 471 Independent Study in Intermedia I (3 credits)

Prerequisite/Corequisite:

A 400-level IMCA course must be completed previously or concurrently. Students must complete 48 credits in the degree program prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in intermedia under the supervision of a full-time intermedia faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

IMCA 472 Independent Study in Intermedia II (3 credits)

Prerequisite/Corequisite:

A 400-level IMCA course must be completed previously or concurrently. Students must complete 48 credits in the degree program prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in intermedia under the supervision of a full-time intermedia faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

IMCA 480 Professional Internship in Intermedia (6 credits)

Prerequisite/Corequisite:

Students must be in third-year standing, with 60 credits completed in the degree program prior to enrolling. Written permission of the Department is required.

Description:

Under the joint supervision of a qualified professional and a full-time faculty member, the student is employed within industry or by a professional organization or other relevant institution. A clearly defined agreement between the Department, the student, and the artist/ professional or institution involved is established before the internship is undertaken. This agreement should clearly state the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate appreciable learning potential for the student.

Component(s):

"Studio"

IMCA 481 Professional Internship in Intermedia I (3 credits)

Prerequisite/Corequisite:

Students must be in third-year standing, with 60 credits completed in the degree program. Written permission of the Department is required.

Description:

Under the joint supervision of a qualified professional and a full-time faculty member, the student is employed within industry or by a professional organization or other relevant institution. A clearly defined agreement between the Department, the student, and the artist/ professional or institution involved is established before the internship is undertaken. This agreement should clearly state the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate appreciable learning potential for the student.

Component(s):

"Studio"

IMCA 482 Professional Internship in Intermedia II (3 credits)

Prerequisite/Corequisite:

Students must be in third-year standing, with 60 credits completed in the degree program prior to enrolling. Written permission of the Department is required.

Description:

Under the joint supervision of a qualified professional and a full-time faculty member, the student is employed within industry or by a professional organization or other relevant institution. A clearly defined agreement between the Department, the student, and the artist/ professional or institution involved is established before the internship is undertaken. This agreement should clearly state the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate appreciable learning potential for the student.

Component(s):

"Studio"

IMCA 498 Special Topics in Intermedia (3 credits)

Prerequisite/Corequisite:

Students must be in third-year standing, with 60 credits completed in the Intermedia (Video, Performance and Electronic Arts) program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This studio course provides an opportunity for study and practice of specialized aspects of intermedia.

IMCA 499 Special Topics in Intermedia (6 credits)

Prerequisite/Corequisite:

Students must be in third-year standing, with 60 credits complete in the Intermedia (Video, Performance and Electronic Arts) program prior to enrolling. If prerequisites are not satisfied, written permission of the Department is required.

Description:

This studio course provides an opportunity for study and practice of specialized aspects of intermedia.

Component(s):

"Studio"

Painting Courses

PTNG 200 Painting I (6 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) written permission of the program director as determined by portfolio submission and space availability.

Description:

A studio course which provides a technical and conceptual introduction to painting focusing on the distinctive nature of the medium. Basic painting materials and processes are explored through exercises in figuration, abstraction, colour, composition, and the construction of pictorial space.

Component(s):

"Studio"

PTNG 201 Introduction to Painting (3 credits)

Prerequisite/Corequisite:

Enrolment in a BFA degree program excluding the Major in Painting and Drawing is required. If prerequisites are not satisfied, permission of the program coordinator is required, as determined by portfolio submission. Please consult the Department of Studio Arts website for more information about the portfolio submission process.

Description:

This introductory-level course explores elementary concepts in the art of painting through a series of structured studio experiences. It covers fundamental painting techniques in a way that allows students to grasp painting as the creation of tension between a physical surface and an imagined space.

Notes:

- Students in the Major in Painting and Drawing may not take this course for credit.
- A limited number of spaces are open to Studio Arts Department students.
- Students who have completed PTNG classes may not take this course for credit.

PTNG 298 Special Topics in Painting (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) written permission of the program director as determined by portfolio submission and space availability.

Description:

A studio course which provides an opportunity for the study of more specialized aspects of painting.

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PTNG 299 Special Topics in Painting (6 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) written permission of the program director as determined by portfolio submission and space availability.

Description:

A studio course which provides an opportunity for the study of more specialized aspects of painting.

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PTNG 300 Painting II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 200.

Description:

This studio course is an intermediate painting class in which directed projects allow students to explore a variety of approaches to the medium and to begin to develop a more personal visual language based on the skill sets acquired at the 200 level. Historical and contemporary issues in art practice are addressed in this course.

Component(s):

"Studio"

PTNG 310 Painting and Popular Culture I (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 200.

Description:

A studio course designed to focus on the relationship between painting and popular culture. The course explores the impact of photography, cinema, advertising, television, comic books, pulp fiction, popular music, and digital media on the conventions of painting.

Notes:

- Students who have received credit for this topic under a PTNG 399 number may not take this course for credit.

PTNG 312 Body, Representation and Information I (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 200.

Description:

This studio course addresses contemporary art issues in painting, exploring body information in relation to questions of power, race, gender, and sexuality.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a PTNG 399 number may not take this course for credit.

PTNG 314 Life in the Round: Painting the Figure from Observation I (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 200.

Description:

This studio course focuses on the experience of seeing and depicting the living human body in all its complexity and presence.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a PTNG 399 number may not take this course for credit.

PTNG 316 Abstract Painting I (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 200.

Description:

A studio course designed to focus on the historical and contemporary practice of abstraction.

Notes:

- Students who have received credit for this topic under a PTNG 399 number may not take this course for credit.

PTNG 320 Studio/Seminar in Painting and Drawing (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DRAW 200 and PTNG 200. If prerequisites are not satisfied, written permission of the Department is required.

Description:

A combination studio/seminar in which advanced ideas in painting and drawing are addressed. Special topics of approximately one-month duration are presented by guest artists from within and outside the Faculty.

PTNG 398 Special Topics in Painting (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 200. If prerequisites are not satisfied, written permission of the Department is required.

Description:

A studio course which provides an opportunity for the study of more specialized aspects of painting. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

PTNG 399 Special Topics in Painting (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 200. Written permission of the Department is required.

Description:

A studio course which provides an opportunity for the study of more specialized aspects of painting.

Component(s):

"Studio"

PTNG 400 Painting III (6 credits)

Prerequisite/Corequisite:

A 300-level PTNG course must be completed previously prior to enrolling.

Description:

An advanced painting class in which students develop a series of independent projects that allow them to create a coherent body of work in painting and to situate it within contemporary practice. Independent studio production may be supplemented by readings, lectures, seminars, museum/gallery visits, and visiting artists.

Component(s):

"Studio"

PTNG 410 Painting and Popular Culture II (6 credits)

Prerequisite/Corequisite:

A 300-level PTNG course must be completed previously prior to enrolling.

Description:

An advanced-level studio course designed to focus on the relationship between painting and popular culture. This course explores the impact of photography, cinema, advertising, television, comic books, pulp fiction, popular music, and digital media on the conventions of painting.

PTNG 412 Body, Representation and Information II (6 credits)

Prerequisite/Corequisite:

A 300-level PTNG course must be completed previously prior to enrolling.

Description:

This advanced-level studio course addresses contemporary art issues and their representation in painting, exploring body information in relation to questions of power, race, gender, and sexuality.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a PTNG 499 number may not take this course for credit.

PTNG 414 Life in the Round: Painting the Figure from Observation II (6 credits)

Prerequisite/Corequisite:

A 300-level PTNG course must be completed previously prior to enrolling.

Description:

This advanced-level studio course focuses on the experience of seeing and depicting the living human body in all its complexity and presence.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a PTNG 499 number may not take this course for credit.

PTNG 416 Abstract Painting II (6 credits)

Prerequisite/Corequisite:

A 300-level PTNG course must be completed previously prior to enrolling.

Description:

An advanced-level studio class designed to focus on the historical and contemporary practice of abstraction.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a PTNG 499 number may not take this course for credit.

PTNG 418 Between the Wall and the Viewer (6 credits)

Prerequisite/Corequisite:

A 300-level Studio Art course must be completed prior to enrolling.

Description:

An installation studio course taught by faculty in the Painting and Drawing area that encourages students to create work in the context of an expanded field. It includes experimental pictorial, spatial, performative, and conceptual responses to site considerations using collage/assemblage, shaped canvases, text/image, objects, paint, and unconventional materials.

Notes:

- Students who have received credit for DRAW 418, or for this topic under a DRAW 499 or PTNG 499 number, may not take this course for credit.

PTNG 420 Seminar/Workshop in Painting (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 320. If prerequisites are not satisfied, written permission of the Department is required.

Description:

An advanced studio in painting having its principal emphasis in studio practice, but developing further the theoretical concepts introduced in PTNG 320.

Notes:

- Students who have received credit for ART 320 may not take this course for credit.

PTNG 430 Women and Painting (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 200. If prerequisites are not satisfied, written permission of the Department is required.

Description:

A studio/seminar course in which students are encouraged to explore their world in painting and consider their practice from the point of view of women's experience, individually and collectively.

PTNG 440 Collage (6 credits)

Prerequisite/Corequisite:

Written permission of the Department is required.

Description:

An exploration of collage as a means of expression evolving from the historical and artistic traditions of painting and drawing.

PTNG 450 Painting IV (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PTNG 400.

Description:

An advanced painting class in which students develop a series of independent projects that allow them to create a coherent body of work in painting and to situate it within contemporary practice. Independent studio production may be supplemented by readings, lectures, seminars, museum/gallery visits, and visiting artists.

Component(s):

"Studio"

PTNG 460 Materials and Methods of the Artist (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DRAW 300 and PTNG 300. If prerequisites are not satisfied, written permission of the Department is required.

Description:

Through a series of special projects in drawing and painting, this course familiarizes the student with historical materials and techniques, and with other aspects of the artist's concerns.

Component(s):

"Studio"

Notes:

- Students who have received credit for ART 420 may not take this course for credit.

PTNG 470 Independent Study (6 credits)

Prerequisite/Corequisite:

A 400-level PTNG course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. A minimum cumulative GPA of 3.5 and written permission of the Department is required.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in painting under the supervision of a full-time painting faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a six-credit course.

Component(s):

"Studio"

PTNG 471 Independent Study I (3 credits)

Prerequisite/Corequisite:

A 400-level PTNG course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. A minimum cumulative GPA of 3.5 and written permission of the Department is required.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in painting under the supervision of a full-time painting faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

PTNG 472 Independent Study II (3 credits)

Prerequisite/Corequisite:

A 400-level PTNG course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. A minimum cumulative GPA of 3.5 and written permission of the Department is required.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in painting under the supervision of a full-time painting faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

PTNG 498 Special Topics in Painting (3 credits)

Description:

A course for advanced students which provides an opportunity for the study of more specialized areas in painting. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

PTNG 499 Special Topics in Painting (6 credits)

Description:

A course for advanced students which provides an opportunity for the study of more specialized areas in painting. Specific topics for this course, and prerequisites relevant in each case, are stated in the Undergraduate Class Schedule.

Component(s):

"Studio"

Photography Courses

PHOT 201 Introduction to Colour Photography (3 credits)

Prerequisite/Corequisite:

Enrolment in a BFA degree program excluding the Major in Photography is required. If prerequisites are not satisfied, permission of the program coordinator is required, as determined by portfolio submission. Please consult the Department of Studio Arts website for more information about the portfolio submission process.

Description:

This introductory-level course covers fundamental techniques specific to colour photography including basic camera functions, film exposure, and printing.

Component(s):

"Studio"

Notes:

- Students in the Major in Photography may not take this course for credit.
- Students are required to bear the cost of film stock, processing, printing, and other materials.
- A limited number of spaces are open to Studio Arts Department students.
- Students who have completed PHOT classes may not take this course for credit.

PHOT 211 Black-and-White Photography I (3 credits)

Prerequisite/Corequisite:

The following must be completed previously or concurrently: PHOT 220 or equivalent; ARTH 267. Enrolment in the Major in Photography or permission of the program coordinator is required.

Description:

This studio course introduces students to the use of black-and-white as photographic process, parallel to colour production and practice taught in other courses. Students are taught basic technical skills, film processing, darkroom techniques and printing. Students are also introduced to black-and-white photographic tradition and aesthetics. Students must produce a final portfolio that is content-driven, demonstrates technical proficiency, and expresses personal artistic interests and vision.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of stock, processing, and other materials.
- Each student's work is evaluated by a committee of Photography faculty members at the end of the term.

PHOT 220 Foundations in Contemporary Photographic Digital Practice (6 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program director as determined by portfolio submission and space availability.

Description:

In this foundational course, students learn the fundamentals of lens-based imaging and the historical, technical and creative aspects specific to colour digital photography. Students examine the numerous aspects of photography's aesthetics, and processes. Students learn the fundamental controls of an analog camera and how to expose film accurately to scan negatives. Students work with an array of digital cameras and develop and hone printing skills to produce a final coherent, content-driven body of digital work in colour.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of stock, processing, and other materials.
- Each student's work is evaluated by a committee of Photography faculty members at the end of the term.
- Students who have received credit for PHOT 200, 210, 221, or 322 may not take this course for credit.

PHOT 300 Photographic Vision: Theory and Practice (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHOT 210 or PHOT 220; ARTH 267. The following course must be completed previously or concurrently: PHOT 330. Enrolment in the BFA Major in Photography is required.

Description:

The purpose of this studio course is to provide a framework within which students pursue their photographic practice at an intermediate level. Students are encouraged to explore concepts and technical components in a long-term project. They develop a photographic language which is specific to their own practice and learn from the work of other contemporary artists. The final portfolio is content-driven and expresses personal artistic vision.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of stock, processing, and other materials.
- Each student's work is evaluated by a committee of Photography faculty members at the end of each term.

PHOT 301 Black-and-White II Fine Art Printing (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHOT 210 or PHOT 220; PHOT 211. Enrolment in the Major in Photography is required.

Description:

A continuation of PHOT 211, this studio course explores further techniques in fine art black-and-white printing. Students are introduced to advanced darkroom processes, mural printing, and quad tone digital printing. Students must produce a final portfolio that is content-driven, demonstrates technical proficiency, and expresses personal artistic interests and vision.

Notes:

- Students are required to bear the cost of stock, processing, and other materials.

PHOT 311 Large Format Photography I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHOT 210 or PHOT 220; PHOT 211; ARTH 267. Enrolment in the Major in Photography is required.

Description:

This studio course introduces students to large format photography, its techniques and application. Demonstrations cover the basics of view camera operation, light metering, sheet film exposure, development, and advanced printing. Assignments based on traditional genres encourage ease with all aspects of large format use and their personal applications.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of stock, processing, and other materials.
- Each student's work is evaluated by a committee of Photography faculty members at the end of the term.

PHOT 312 Large Format Photography II (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHOT 210 or PHOT 220; PHOT 211, PHOT 311; ARTH 267. Enrolment in the Major in Photography is required.

Description:

This studio course is directed towards the development of an individual approach to view camera photography. Various uses of advanced techniques are also discussed. Emphasis is put on the development of a coherent portfolio of prints expressing personal concerns.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of stock, processing, and other materials.

PHOT 330 Intermediate Contemporary Photographic Digital Practice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PHOT 220. The following course must be completed previously or concurrently: PHOT 300. Enrolment in the Major in Photography or permission of the program coordinator is required.

Description:

In this intermediate technical course, students build upon and expand their knowledge of digital tools and workflows and apply this to projects in other classes. Students acquire more advanced practical skills and the ability to solve ongoing technical problems. Students learn to analyze images, to determine issues needing correction, and how to resolve them. Technical workshops include advanced masking techniques and film scanning workflows. Alongside technical instruction, students are introduced to emerging technologies. Students learn how to manage large files, advanced image manipulation, and to print at a larger scale and explore different papers and formats. There is no portfolio requirement for this class.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of stock, processing, and other materials.

PHOT 398 Special Topics in Photography (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHOT 210 or PHOT 220; PHOT 211; ARTH 267. Enrolment in the BFA Major in Photography is required.

Description:

This intermediate studio course examines ideas and practices in contemporary photography. In this course, students create photographic images that reflect their research and critical thinking on the specific topic.

Component(s):

"Studio"

PHOT 399 Special Topics in Photography (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHOT 210 or PHOT 220; PHOT 211; ARTH 267. Enrolment in the BFA Major in Photography is required.

Description:

This intermediate studio course examines ideas and practices in contemporary photography. In this course, students create photographic images that reflect their research and critical thinking on the specific topic.

Component(s):

"Studio"

PHOT 400 Advanced Workshop in Photography (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHOT 300; ARTH 359. Students must have completed 48 credits in the Major in Photography prior to enrolling.

Description:

In this studio course, students create one or more extended photographic projects in black-and-white and/or digital. Topics related to contemporary photography are presented in a seminar fashion.

Component(s):

"Studio"

Notes:

- Students are required to bear the cost of stock, processing, and other materials.

PHOT 470 Professional Internship (6 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in the Major in Photography prior to enrolling. Written permission of the program director is required.

Description:

A student wishing to work in an apprentice capacity with an established photographic artist, or wishing to pursue research in photographic criticism, museum work, publication, or other related endeavours may apply for academic credit. The internship will be carried out under the joint supervision of a qualified professional (from within or without the University) and a full-time Photography faculty member. A clearly defined agreement between the Department, the student, and the artist or institution involved will be arrived at before the internship is undertaken. This agreement should state clearly the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate appreciable learning potential for the student.

Component(s):

"Studio"

PHOT 471 Professional Internship I (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in the Major in Photography prior to enrolling. Written permission of the Department is required.

Description:

A student wishing to work in an apprentice capacity with an established photographic artist, or wishing to pursue research in photographic criticism, museum work, publication, or other related endeavours may apply for academic credit. The internship will be carried out under the joint supervision of a qualified professional (from within or without the University) and a full-time Photography faculty member. A clearly defined agreement between the Department, the student, and the artist or institution involved will be arrived at before the internship is undertaken. This agreement should state clearly the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate appreciable learning potential for the student.

Component(s):

"Studio"

PHOT 472 Professional Internship II (3 credits)

Prerequisite/Corequisite:

Students must have completed 48 credits in the Major in Photography prior to enrolling. Written permission of the Department is required.

Description:

Students who wish additional internships in a professional milieu may take this course.

Component(s):

"Studio"

PHOT 480 Independent Study (6 credits)

Prerequisite/Corequisite:

A 400-level PHOT course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. A minimum cumulative GPA of 3.5 is required. Written permission of the Department is required.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in photography under the supervision of a full-time photography faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a six-credit course.

Component(s):

"Studio"

PHOT 481 Independent Study I (3 credits)

Prerequisite/Corequisite:

A 400-level PHOT course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. A minimum cumulative GPA of 3.5 is required. Written permission of the Department is required.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in photography under the supervision of a full-time photography faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

PHOT 482 Independent Study II (3 credits)

Prerequisite/Corequisite:

A 400-level PHOT course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. A minimum cumulative GPA of 3.5 is required. Written permission of the Department is required.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in photography under the supervision of a full-time photography faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

PHOT 498 Special Topics in Photography (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHOT 300; ARTH 359. Students must have completed 48 credits in the Major in Photography prior to enrolling. Permission of the program coordinator is required.

Description:

This advanced studio course examines ideas and practices in contemporary photography. In this course, students create photographic images that reflect their research and critical thinking on the specific topic.

Component(s):

"Lecture"

PHOT 499 Special Topics in Photography (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: PHOT 300; ARTH 359. Students must have completed 48 credits in the Major in Photography prior to enrolling. Permission of the course instructor is required.

Description:

This advanced studio course examines ideas and practices in contemporary photography. In this course, students create photographic images that reflect their research and critical thinking on the specific topic.

Component(s):

"Lecture"

Print Media Courses

PRIN 211 Intaglio I (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This introductory studio course in intaglio techniques focuses on creative imagery. This course covers traditional techniques and photo-based processes. Assignments, lectures, and critiques focus on theoretical, historical, and aesthetic issues in contemporary print media.

Component(s):

"Studio"

PRIN 221 Lithography I (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This introductory studio course in lithographic techniques focuses on making creative imagery. This course covers drawing and photo-based processes on stone and plate. Assignments, lectures, and critiques focus on theoretical, historical, and aesthetic issues in contemporary print media.

Component(s):

"Studio"

PRIN 231 Screen Printing I (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This studio course introduces students to screen printing with an emphasis on creative imagery. This course covers stencil techniques using digital and hand-drawn processes. Assignments, lectures, and critiques focus on theoretical, historical, and aesthetic issues in contemporary print media.

Component(s):

"Studio"

PRIN 241 Processes in Digital Print Media I (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This studio course introduces students to contemporary digital imaging and print media applications. This course covers file creation and layers for multi-plate hand-printing. The creation of multiples through traditional, non-traditional, and other historical technologies is also explored. Lectures and critiques focus on theoretical, critical, and aesthetic issues in contemporary digital print media.

Component(s):

"Studio"

Notes:

- Students who have received credit for PRIN 341 or PRIN 351 may not take this course for credit.

PRIN 271 Contemporary Print Processes I (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This introductory studio course addresses special topics in print processes and new technologies. Students create a portfolio of artwork that demonstrates their research.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PRIN 291 Relief and Woodcut I (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This introductory studio course in the basic techniques of woodcut and relief printing focuses on creative imagery. This course covers the basic principles of cutting and hand-printing on wood, linoleum, and other materials. Assignments, lectures, and critiques focus on theoretical, historical, and aesthetic issues in contemporary print media.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a PRIN 371 number may not take this course for credit.

PRIN 311 Intaglio II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PRIN 211; and six credits in Print Media. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate intaglio studio course focuses on individual creative and theoretical development through experimentation and innovation. This course explores multi-plate image making, including drawing and photographic applications in print, advanced proofing, and printing processes. Group and individual critiques and discussions emphasize problem solving and

critical analysis in the creation of personal imagery. Students develop a portfolio that demonstrates their engagement in contemporary print practice.

Component(s):

"Studio"

PRIN 321 Lithography II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PRIN 211; and six credits in Print Media. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate lithography studio course focuses on individual creative and theoretical development through experimentation and innovation. This course explores hand-drawn, digital, and photographic processes through stone and plate lithography with an emphasis on colour printing. Group and individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery. Students develop a portfolio that demonstrates their engagement in contemporary print theory and practice.

Component(s):

"Studio"

PRIN 331 Screen Printing II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PRIN 231; and six credits in Print Media. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate screen-printing studio course focuses on individual creative and theoretical development through experimentation and innovation. This course provides the opportunity for continued research in drawing, photographic and digital applications, colour printing, alternative printing surfaces, and the combination of print processes. Group and individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery. Students develop a portfolio that demonstrates their engagement in contemporary print theory and practice.

Component(s):

"Studio"

PRIN 341 Processes in Digital Print Media II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PRIN 241; and six credits in Print Media. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate studio course focuses on concepts of digital imaging, print applications, file creation, and layers for multi-plate hand-printing and file export to various digital print formats. Lectures and critiques focus on theoretical, critical, and aesthetic issues in contemporary digital print media. Students develop a portfolio that demonstrates their involvement in contemporary print theory and practice.

Component(s):

"Studio"

PRIN 365 The Artist's Book as Object (3 credits)

Prerequisite/Corequisite:

Students must have completed nine credits in Print Media prior to enrolling. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate studio course focuses on individual creative and theoretical development through experimentation and innovation. This course explores book structures, bindings, and print processes for the creation of artists' books as objects. Group and individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a PRIN 371 number may not take this course for credit.

PRIN 366 Aspects of the Artist Book (3 credits)

Prerequisite/Corequisite:

Students must have completed nine credits in Print Media prior to enrolling. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate studio course focuses on creative and theoretical development through experimentation and innovation. Through lectures, demonstrations, and assignments on the technical and conceptual considerations in creating traditional and non-traditional book forms, this course explores book arts from the vantage point of print media examining the broad definition of the terms "artist book" or "book art." Group and individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery. This course has a compulsory computer lab component.

Component(s):

"Laboratory"

Notes:

- Students are required to bear the cost of materials.
- Students who have received credit for this topic under a PRIN 381 number may not take this course for credit.

PRIN 371 Contemporary Print Processes II (3 credits)

Prerequisite/Corequisite:

Students must have completed nine credits in Print Media prior to enrolling. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate studio course addresses topics in print processes and technologies. Students create a portfolio of artwork that demonstrates their research.

Component(s):

"Studio"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PRIN 381 Aspects of Print Media (3 credits)

Prerequisite/Corequisite:

Students must have completed nine credits in Print Media prior to enrolling. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate studio course focuses on theoretical issues and practices in contemporary print media. Students create a body of artwork that demonstrates critical thinking and research on the featured topic.

Component(s):

"Studio"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PRIN 391 Relief and Woodcut II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PRIN 291; and six credits in Print Media. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate studio course in the techniques of woodcut and relief printing focuses on creation. This course explores hand-drawn, digital and related processes through woodcut and relief. Colour and advanced printing are covered. Group and

individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery. Students develop a portfolio that demonstrates their involvement in contemporary print theory and practice.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a PRIN 371 number may not take this course for credit.

PRIN 398 Special Topics in Print Media (3 credits)

Prerequisite/Corequisite:

Students must have completed nine credits in Print Media prior to enrolling. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate studio course examines ideas and practices in contemporary print media. Students create printed images that reflect their research on the specific topic.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PRIN 399 Special Topics in Print Media (3 credits)

Prerequisite/Corequisite:

Students must have completed nine credits in Print Media prior to enrolling. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This intermediate studio course examines ideas and practices in contemporary print media. Students create printed images that reflect their research on the specific topic.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PRIN 411 Intaglio III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PRIN 311; and nine credits in Print Media. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This advanced intaglio studio course focuses on individual creative and theoretical development through experimentation. This course explores digital and photo-generated imagery, multiple-plate colour processes, alternative print surfaces, combined print techniques, and new technologies. Group and individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery. Students develop a portfolio that demonstrates their engagement in contemporary print theory and practice.

Component(s):

"Studio"

PRIN 421 Lithography III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PRIN 321; and nine credits in Print Media. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This advanced lithography studio course focuses on individual creative and theoretical development through experimentation and innovation. This course explores advanced techniques in stone and plate lithography, hand-drawn, photographic, and digitally generated imagery. Group and individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery. Students develop a portfolio that demonstrates their engagement in contemporary print theory and practice.

Component(s):

"Studio"

PRIN 431 Screen Printing III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PRIN 331; and nine credits in Print Media. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This advanced screen-printing studio course focuses on individual creative and theoretical development through experimentation and innovation. This course investigates hand-drawn, photographic and digital print applications, and combined techniques. Group and individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery. Students develop a portfolio that demonstrates their engagement in contemporary print theory and practice.

Component(s):

"Studio"

PRIN 441 Advanced Processes in Digital Print Media III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PRIN 341; and nine credits in Print Media. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This advanced digital studio course focuses on individual creative and theoretical development through experimentation and innovation. In this course, students develop an independent interdisciplinary research project that investigates the integration of digital and traditional reproduction technologies. Group and individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery. Students develop a portfolio that demonstrates their engagement in contemporary print theory and practice.

Component(s):

"Studio"

PRIN 451 Advanced Projects in Print Media I (3 credits)

Prerequisite/Corequisite:

A 300-level Print Media course must be completed prior to enrolling. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

In this advanced studio course, students propose and complete print projects in consultation with the instructor. Students design projects according to their interests and established technical proficiency. The course emphasizes individual practice within the context of informed discussion, critiques, gallery and museum visits, and may include a class exhibition.

Component(s):

"Studio"

Notes:

- Students who want advanced technical information in a particular process should enrol in 300- or 400-level courses of intaglio, screen printing, lithography, or digital print processes.

PRIN 452 Advanced Projects in Print Media II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PRIN 451. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This course is a continuation of PRIN 451. In this advanced studio course, students propose and complete print projects in consultation with the instructor. Students design projects according to their interests and established technical proficiency. The course emphasizes individual practice within the context of informed discussion, critiques, gallery and museum visits,

and may include a class exhibition.

Notes:

- Students who want advanced technical information in a particular process should enrol in 300- or 400-level courses of intaglio, screen printing, lithography or digital print processes.

PRIN 470 Independent Study in Print Media (6 credits)

Prerequisite/Corequisite:

A 400-level PRIN course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in print media under the supervision of a full-time print faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a six-credit course.

Component(s):

"Studio"

PRIN 471 Independent Study in Print Media I (3 credits)

Prerequisite/Corequisite:

A 400-level PRIN course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in print media under the supervision of a full-time print faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

PRIN 472 Independent Study in Print Media II (3 credits)

Prerequisite/Corequisite:

A 400-level PRIN course must be completed previously or concurrently prior to enrolling. Students must have completed 48 credits in their degree program prior to enrolling. Written permission of the Department is required. A minimum cumulative

GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in print media under the supervision of a full-time print faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

PRIN 481 Professional Internship (3 credits)

Prerequisite/Corequisite:

Written permission of the Department is required.

Description:

Internships are for students who wish to obtain practical experience by working as an apprentice in a professional environment, or who would like to pursue research in the curating of prints, print criticism, or other related experience in print media, and receive academic credit for the activity. Approval of the project will be based on the demonstrable learning potential of the activity. Students are required to submit an internship proposal that clearly defines the objective of the activity, appropriate workload (equivalent to the hours required for a three-credit course), nature of participation, and supervisory schedules. The internship will be jointly supervised by a faculty member and a qualified professional. It is the student's responsibility to obtain approval for the proposal from a program advisor, including any required contractual agreements, before the start of the internship.

Component(s):

"Studio"

PRIN 498 Special Topics in Print Media (3 credits)

Prerequisite/Corequisite:

A 300-level Print Media course must be completed prior to enrolling. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This advanced studio course focuses on individual creative and theoretical development through experimentation and innovation. In this course, students produce printed images that reflect their research and critical thinking on the specific topic. Group and individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery. Students develop a portfolio that demonstrates their engagement in contemporary print theory and practice.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PRIN 499 Special Topics in Print Media (6 credits)

Prerequisite/Corequisite:

A 300-level Print Media course must be completed prior to enrolling. If prerequisites are not satisfied, permission of the program coordinator is required.

Description:

This advanced studio course focuses on individual creative and theoretical development through experimentation and innovation. In this course, students produce printed images that reflect their research and critical thinking on the specific topic. Group and individual critiques and discussions emphasize problem solving and critical analysis in the creation of personal imagery. Students develop a portfolio that demonstrates their engagement in contemporary print theory and practice.

Component(s):

"Lecture"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

Sculpture Courses

SCUL 201 Introduction to Sculpture and Installation (3 credits)

Prerequisite/Corequisite:

Enrolment in a BFA degree program excluding the Major in Sculpture is required. If prerequisites are not satisfied, permission of the program coordinator is required, as determined by portfolio submission. Please consult the Department of Studio Arts website for more information about the portfolio submission process.

Description:

This introductory-level course covers fundamental ideas and techniques central to 3-dimensional art making within the context of contemporary art. Students explore elementary sculptural concepts and technical processes, including assemblage, woodworking and mould making/casting.

Component(s):

"Studio"

Notes:

- Students in the Major in Sculpture may not take this course for credit.
- A limited number of spaces are open to Studio Arts Department students.
- Students who have completed SCUL classes may not take this course for credit.

SCUL 211 Sculpture as Decolonial Practices (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

In this studio-based course, students are exposed to the expansive field of contemporary sculpture and the range of materials and ideas employed by contemporary artists working in the discipline. The focus is on Indigenous and culturally diverse artistic practices. Students acquire foundational skills for making and discussing 3D visual culture critically, including examining issues of cultural appropriation through material representation. Students gain experience developing and presenting three-dimensional artistic works through class discussion, individual consultations and group critiques. All course content is considered through a decolonial lens.

Component(s):

"Studio"

Notes:

- Students who have received credit for SCUL 210 cannot take this course for credit.

SCUL 212 Sculpture and Material Practices (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This studio-based course explores materials and ideas employed in contemporary sculpture. Exposure and competence are developed in metal work, woodwork and mouldmaking/casting techniques. Students gain experience developing and presenting three-dimensional artistic works through class discussion, individual consultations and group critiques. All course content is considered through a decolonial lens.

Component(s):

"Studio"

Notes:

- Students who have received credit for SCUL 210 may not take this course for credit.

SCUL 221 Introduction to Mouldmaking and Casting (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This course introduces students to various mouldmaking and casting techniques required to reproduce 3D art objects. Students develop an understanding of waste moulds, flexible moulds, casting from life, direct modelling of plaster or clay, and armature and support building. Readings and lectures provide examples of mouldmaking and casting techniques in contemporary sculpture, demonstrating its potential for expression and representation. Discussions and presentations are inclusive of Indigenous and culturally diverse artistic practices. All course content is considered through a decolonial lens.

Component(s):

"Studio"

Notes:

- A course fee for materials is required.
- While the course fees cover some materials, students are responsible for additional costs associated with their chosen project plans.

SCUL 231 Introduction to Sculptural Woodworking (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This course introduces the tools and techniques of woodworking to produce sculptural artworks made from wood and wood-based products. Students acquire skills and competence with various processes, such as design/build techniques, joinery and shaping. Readings, critiques and discussions explore concepts related to the theme of wood as an art material within Indigenous and culturally diverse artistic practices. All course content is considered through a decolonial lens.

Component(s):

"Studio"

Notes:

- A course fee for materials is required.
- While the course fees cover some materials, students are responsible for additional costs associated with their chosen project plans.

SCUL 241 Sustainability in Sculptural Practices I (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This course introduces themes, concepts and techniques for realizing sustainable sculptural artworks. Concepts such as materiality, non-extractivist methodologies, intersectional environmentalism, circular economies, environmental justice, the Anthropocene and sustainability from Indigenous and culturally diverse perspectives are explored through readings, discussions, fabrication techniques, and technical demonstrations. All course content is considered through a decolonial lens.

Component(s):

"Studio"

SCUL 251 Sculpture/Mechanics (3 credits)

Prerequisite/Corequisite:

Enrolment in the Intermedia (Video, Performance and Electronic Arts) or Sculpture program is required. If prerequisites are not satisfied, permission of the Department is required.

Description:

This studio course introduces students to animating sculpture, including the contributions of Indigenous and culturally diverse artistic practitioners in the field. Students explore various techniques such as moving joints, gear, chain, and pulley systems, and motion converters, leading to more complex assemblies in animating static form. Students develop fundamental skills in reading and drawing blueprints and measuring and marking techniques for application in metal, wood, mouldmaking, and other applicable materials. All course content is considered through a decolonial lens.

Component(s):

"Studio"

SCUL 261 Public Art I (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

In this course, students learn concepts and techniques for developing complex ideas and maquettes for public art competitions. The course explores howartists can helpdecolonize monuments, sites and public sculpture,and focuses on design/build problem solving for the realization of permanent public works. All course content is considered through a decolonial lens.

Component(s):

"Studio"

SCUL 298 Special Topics in Sculpture (3 credits)

Prerequisite/Corequisite:

While priority is given to students within the program, students wishing to enrol in the course must meet one of the following prerequisites: 1) enrolment in a major or minor program in the Department of Studio Arts; 2) enrolment in a BFA program with credit requirements in Studio Arts; 3) permission of the program coordinator as determined by portfolio submission and space availability.

Description:

This studio course provides an opportunity for the study of specialized aspects of sculpture. All course content is considered through a decolonial lens.

Component(s):

"Studio"

SCUL 310 Sculpture and Spatial Practices (6 credits)

Prerequisite/Corequisite:

Six credits of Sculpture courses at the 200 level must be completed previously. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course builds upon the expansive field of contemporary sculpture, with an emphasis on the development of an individual art practice, including installation, intervention, public artworks, action/ performance, and object making. Students build upon their awareness of contemporary sculptural practices, contexts and issues. Students present their artworks through critiques, class discussions and individual consultations. Further exposure and competence are developed in metal work, wood work and mould-making/casting.

Component(s):

"Studio"

Notes:

- Students who have received credit for SCUL 300 may not take this course for credit.

SCUL 311 Metal Casting: Bronze and Aluminum I (3 credits)

Prerequisite/Corequisite:

Six credits chosen from Sculpture and/or Ceramics courses at the 200 level must be completed previously. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course includes an introduction to the sculptural histories and contemporary contexts of bronze casting, and the technical processes of casting. Students also develop their conceptual skills in making contemporary sculpture with this

traditional method. The course includes slide lectures, class discussions, a final critique and technical demonstrations.

Component(s):

"Studio"

Notes:

- A course fee for materials is required.

SCUL 312 Metal Casting: Bronze and Aluminum II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCUL 311.

Description:

A continuation of SCUL 311. In this advanced course, students learn to cast larger or more complex artworks in bronze or aluminum. Depending on the student's project, this process may involve organic burnout techniques, multiples or multipart casting fabrication, or casting metal in sections to be welded together.

Component(s):

"Studio"

Notes:

- A course fee for materials is required.

SCUL 314 Image and Object (3 credits)

Prerequisite/Corequisite:

6 credits of 200-level courses in Sculpture, or 6 credits of 200-level courses in Photography, or 6 credits of 200-level courses in Intermedia.

Description:

This interdisciplinary studio course explores the relationships and histories of power between images and objects. Objecthood and the materiality of images are explored through processes such as collage, assemblage and digital printing. Students pursue interdisciplinary installations combining objects, materials, photography, and video. Assigned readings inform critiques and discussions. All course content is considered through a decolonial lens.

Component(s):

"Studio"

SCUL 315 Materials and Surfaces (3 credits)

Prerequisite/Corequisite:

6 credits of Sculpture 200-level courses, or CERA 230, or FBRS 240. If prerequisites are not satisfied, permission of the Department is required.

Description:

This intermediate-level studio course allows students to develop portfolios of material experimentation, skill acquisition, and object display methods. Led by individual interests, students develop in-depth investigations into traditional and non-traditional sculptural materials, surfaces, and techniques that are inclusive of Indigenous and culturally diverse practices and approaches. Issues surrounding the creative process and technical skills are explored through readings, critiques and discussions. All course content is considered through a decolonial lens.

Component(s):

"Studio"

SCUL 341 Sustainability in Sculptural Practices II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCUL 241. If prerequisites are not satisfied, permission of the Department is required.

Description:

This intermediate-level studio course is a continuation of SCUL 241.More advanced themes, concepts and material techniques are explored through readings, discussion and critiques, and students are supported by the instructor in the realization of a body of 3D artworks that explores themes of sustainability through the individualized interests of the student. All course content is considered through a decolonial lens.

Component(s):

"Studio"

SCUL 361 Public Art II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCUL 261.

Description:

In this follow-up course to SCUL 261, students learn how to develop a full public art proposal at a professional level of realization, with the goal of providing tools to start a successful career in public art. This includes concept, visualizations, drawings, budget plan, fabrication plans, and site attunement. Through this process, readings, discussion and critiques are employed to help students develop their projects in synchrony with decolonial goals for permanent artworks in public space. All course content is considered through a decolonial lens.

Component(s):

"Studio"

SCUL 396 Digital Sculpture I (3 credits)

Prerequisite/Corequisite:

Permission of the Department is required.

Description:

This studio course introduces 3D software for sculptors, covering modelling, drafting, and rendering for both real and virtual output, using advanced manual and automated processes.

Component(s):

"Studio"

SCUL 397 Digital Sculpture II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCUL 396. If prerequisites are not satisfied, permission of the Department is required.

Description:

This course provides greater experience and advanced skills in 3D modelling. Students gain sufficient understanding of 3D modelling to support independent work, producing not only virtual sculptures but also physical sculptures using manual or automated processes. Issues related to the use of technology within the larger context of sculpture are explored.

Component(s):

"Studio"

SCUL 398 Special Topics in Sculpture (3 credits)

Prerequisite/Corequisite:

6 credits of 200-level courses in Sculpture.If prerequisites are not satisfied, permission of the Department isrequired.

Description:

Thisstudio course explores contemporary social, material, and cultural issues addressed through sculpture and interdisciplinary studio art practices. Assigned readings inform critiques and discussions. All course content is considered through a decolonial lens.

Component(s):

"Studio"

SCUL 399 Special Topics in Sculpture (6 credits)

Prerequisite/Corequisite:

Students need to be in second-year standing with 66 or fewer credits remaining in their degree program. If prerequisites are not satisfied, permission of the Department is required.

Description:

This workshop/seminar course provides an opportunity for the study of specialized aspects in sculpture. All course content is considered through a decolonial lens.

SCUL 410 Sculpture as Practice (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCUL 310. If prerequisites are not satisfied, permission of the Department is required.

Description:

In this advanced sculpture class, students develop and create a body of artwork situated within the contexts of contemporary sculpture. Particular attention is given to individual professional development and the establishing of autonomous research and artistic practices. Students present their artworks through critiques, work in progress sessions, and small group feedback sessions. Issues pertaining to exhibition design, planning, and audience engagement are considered through class discussions and readings. All course content is considered through a decolonial lens.

Component(s):

"Studio"

Notes:

- Students who have received credit for SCUL 400 may not take this course for credit.

SCUL 413 Metal Casting: Bronze and Aluminum III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCUL 312.

Description:

This advanced course is a continuation of SCUL 312. Students develop their own independent project to be realized in bronze or aluminum. All course content is considered through a decolonial lens.

Component(s):

"Studio"

Notes:

- A course fee for materials is required.

SCUL 414 Metal Casting: Bronze and Aluminum IV (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCUL 413.

Description:

This advanced course is a continuation of SCUL 413. Students develop their own independent project with the support of and in consultation with the instructor, to be realized in bronze or aluminum casting processes. All course content is considered through a decolonial lens.

Component(s):

"Studio"

Notes:

- A course fee for materials is required.

SCUL 450 Independent Study (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SCUL 410 / SCUL 400. Students must have completed 48 credits in their degree program prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in sculpture under the supervision of a full-time sculpture faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a six-credit course.

Component(s):

"Studio"

SCUL 451 Independent Study I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SCUL 410 / SCUL 400. Students must have completed 48 credits in their degree program prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in sculpture under the supervision of a full-time sculpture faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

SCUL 452 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: SCUL 410 / SCUL 400. Students must have completed 48 credits in their degree program prior to enrolling. Written permission of the Department is required. A minimum cumulative GPA of 3.5 is required before requesting permission.

Description:

This course provides a limited number of students the opportunity to pursue advanced studies in sculpture under the supervision of a full-time sculpture faculty member. A clearly defined written agreement between the student and the instructor involved is required before the independent study is undertaken. This agreement should clearly state the nature of the student's research, and the scope of the project and schedule of work should be equivalent to the workload of a three-credit course.

Component(s):

"Studio"

SCUL 480 Professional Internship (6 credits)

Prerequisite/Corequisite:

Students must be in third-year standing with 48 credits completed in the Major in Sculpture degree program. Permission of the Department is required.

Description:

Under the joint supervision of a qualified professional and a full-time faculty member, the student interns with a professional artist, professional organization or other relevant institution. A clearly defined agreement between the Department, the student, and the artist/professional institution involved is established before the internship is undertaken. This agreement should clearly state the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate significant learning potential for the student.

Component(s):

"Practicum/Internship/Work Term"

SCUL 481 Professional Internship I (3 credits)

Prerequisite/Corequisite:

Third-year standing with 48 credits completed in the Major in Sculpture degree program. Permission of the Department is required.

Description:

Under the joint supervision of a qualified professional and a full-time faculty member, the student interns with a professional artist, professional organization or other relevant institution. A clearly defined agreement between the Department, the student, and the artist/professional institution involved is established before the internship is undertaken. This agreement should clearly state the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate significant learning potential for the student.

Component(s):

"Practicum/Internship/Work Term"

SCUL 482 Professional Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCUL 481.

Description:

Under the joint supervision of a qualified professional and a full-time faculty member, the student interns with a professional artist, professional organization or other relevant institution. A clearly defined agreement between the Department, the student, and the artist/professional institution involved is established before the internship is undertaken. This agreement should clearly state the nature of the student's participation and the hours of work expected. Projects receiving approval for the internship credits must demonstrate significant learning potential for the student.

Component(s):

"Practicum/Internship/Work Term"

SCUL 490 Advanced Studio Practice (6 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Sculpture, the Major in Ceramics, or the Major in Fibres and Material Practices is required. If prerequisites are not satisfied, written permission of the Department is required.

Description:

A studio course providing an opportunity for the advanced student to work in an intimate context within a studio setting, structured around current topics of theoretical and practical importance.

Component(s):

"Lecture"

SCUL 498 Special Topics in Sculpture (3 credits)

Prerequisite/Corequisite:

Students must be in third-year standing with 48 credits completed in a Studio Arts program. If prerequisites are not satisfied, permission of the Department is required.

Description:

This workshop/seminar course provides an opportunity for the study of specialized aspects of sculpture. All course content is considered through a decolonial lens.

Component(s):

"Seminar"; "Studio"

Video Courses

VDEO 350 Video History and Theory (6 credits)

Description:

A survey lecture course introducing the history and theory of art video practice since its inception in the 1960s. The course locates the roots of this art form in such divergent impulses as conceptualism, community activism, technological experimentation, and broadcast television, as well as in narrative and documentary traditions. In addition, regional Canadian video artists and co-operatives are situated within international historical trends and the development of post-modern and other theoretical perspectives. Weekly screenings.

Component(s):

"Lecture"

Section 81.130 School of Performance

School of Performance

School of Performance Programs

Dance Programs

BFA Major in Contemporary Dance

Admission to Contemporary Dance

Music Programs

Electroacoustic Programs (Creative Practices, Recording Arts, and Electroacoustic Studies)

BFA Specialization in Electroacoustic Creative Practices

BFA Specialization in Electroacoustic Recording Arts

BFA Major in Electroacoustic Studies

Minor in Electroacoustic Studies

Jazz Studies Programs

BFA Specialization in Jazz Studies

Music Programs

BFA Major in Music

Minor in Music

Music Composition and Production Programs

BFA Specialization in Music Composition and Production

Music Performance Programs

BFA Specialization in Music Performance

Admission to Programs in Music

Theatre Programs

BFA Specialization in Acting for the Theatre

BFA Specialization in Performance Creation

BFA Specialization in Scenography

Minor in Theatre

Admission to Programs in Theatre

School of Performance Courses

School of Performance

Website

For the complete list of faculty members, please consult the Department website:

concordia.ca/finearts/performance.html

Objectives

The School of Performance provides students with comprehensive training in the live and performing arts. Programs in music, theatre, and contemporary dance maintains distinct disciplinary focus, and the School creates opportunities for students to develop their artistic practice within a vibrant, interdisciplinary environment.

The School is committed to fostering creativity, critical thinking, agency and collaboration. Students gain a solid grounding in their chosen discipline—whether in music (performance, composition, electroacoustics, jazz, music production), theatre (acting, scenography, performance creation), or dance (performance, choreography)—while also engaging in opportunities to work across disciplines. Performance is a central aspect to all programs, enabling students to refine their craft, stage original work and participate in collaborative projects.

Through a balance of formal training, artistic research and experiential learning, the School of Performance prepares students for professional careers in the arts and related fields, including cultural leadership, community engagement, research, education, and creative entrepreneurship. Emphasizing both individual creativity and collective practice, the school nurtures socially engaged work and interdisciplinary collaboration, reflecting the realities of today's evolving cultural landscape, where versatility and cross-disciplinary engagement are essential.

BFA Major in Contemporary Dance

Program Requirements

Major in Contemporary Dance (60 credits)

18 credits:

- DANC 202 Orienting the Choreographing Self (3.00)
- DANC 203 Collaboration in Choreographic Practices (3.00)
- DANC 306 Improvisation as Choreography (3.00)
- DANC 307 Dance Dramaturgy and Authorship (3.00)
- DANC 411 Capstone I: Choreographic Process (3.00)
- DANC 412 Capstone II: Choreographic Realization (3.00)

24 credits:

- DANC 211 Dance and Cultural Histories (3.00)
- DANC 260 Sound and Silence for the Dancer (3.00)
- DANC 302 Dance as Social Life and Cultural Practice (3.00)
- DANC 303 Scenography and Other Spatial Conditions in Dance (3.00)
- DANC 350 Practical Anatomy for the Moving Body (3.00)
- DANC 402 Politics of Dance (3.00)
- DANC 403 Sustainability in Contemporary Dance (3.00)
- DANC 404 Design for Dance (3.00)

18 credits

- DANC 205 Technique I (6.00)
- DANC 305 Technique II (6.00)
- DANC 405 Technique III (6.00)

Notes

Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to Contemporary Dance

There is a distinct procedure for admission to the Major in Contemporary Dance in addition to the normal admission process of Concordia University. All applicants to Contemporary Dance are required to attend an audition as part of the admission process. Applicants should preferably contact the School of Performance before March 1 to arrange their audition and for detailed information regarding admission to Dance.

BFA Specialization in Electroacoustic Creative Practices

Program Requirements

Note: Admission to this program is suspended.

Specialization in Electroacoustic Creative Practices (60 credits)

15 credits:

- EAST 200 ASA and Aural Skills I (6.00)
- EAST 300 ASA and Aural Skills II (6.00)
- MUSI 201 Introduction to Music Fundamentals (3.00)

6 credits:

- MHIS 205 Music, Sound and Society (3.00)
- MHIS 341 Experimental and Electroacoustic Music (3.00)

36 credits:

- EAST 251 Introduction to Recording I (3.00)
- EAST 252 Introduction to Recording II (3.00)
- EAST 305 Electroacoustics II (6.00)
- EAST 362 Virtual Modular Synthesis (3.00)
- EAST 363 Concordia Laptop Orchestra I (CLOrk) (3.00)
- EAST 406 Electroacoustic Composition Seminar/Workshop I (3.00)
- EAST 407 Electroacoustic Composition Seminar/Workshop II (3.00)
- EAST 461 Capstone Project Seminar I (3.00)
- EAST 462 Capstone Project Seminar II (3.00)
- MUSI 366 Music Composition Essentials I (3.00)
- MUSI 367 Music Composition Essentials II (3.00)

3 credits:

- MUSI 321 Managing a Career in Music (3.00)

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Specialization in Electroacoustic Recording Arts

Program Requirements

Note: Admission to this program is suspended.

Specialization in Electroacoustic Recording Arts (60 credits)

15 credits:

- EAST 200 ASA and Aural Skills I (6.00)
- EAST 300 ASA and Aural Skills II (6.00)
- MUSI 201 Introduction to Music Fundamentals (3.00)

6 credits:

- MHIS 205 Music, Sound and Society (3.00)
- MHIS 341 Experimental and Electroacoustic Music (3.00)

30 credits:

- EAST 205 Electroacoustics I (6.00)
- EAST 305 Electroacoustics II (6.00)
- EAST 351 Intermediate Sound Recording I (3.00)
- EAST 352 Intermediate Sound Recording II (3.00)
- EAST 451 Advanced Recording I (3.00)
- EAST 452 Advanced Recording II (3.00)
- EAST 465 Capstone Recording Project I (3.00)
- EAST 466 Capstone Recording Project II (3.00)

3 credits:

- MUSI 321 Managing a Career in Music (3.00)

6 credits:

- EAST 481 Supervised Internship I (3.00)
- EAST 482 Supervised Internship II (3.00)

or electives chosen from EAST courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Major in Electroacoustic Studies

Program Requirements

Major in Electroacoustic Studies (54 credits)

15 credits:

- EAST 200 ASA and Aural Skills I (6.00)
- EAST 300 ASA and Aural Skills II (6.00)
- MUSI 201 Introduction to Music Fundamentals (3.00)

6 credits:

- MHIS 205 Music, Sound and Society (3.00)
- MHIS 341 Experimental and Electroacoustic Music (3.00)

18 credits:

- EAST 205 Electroacoustics I (6.00)
- EAST 251 Introduction to Recording I (3.00)
- EAST 252 Introduction to Recording II (3.00)
- EAST 305 Electroacoustics II (6.00)

6 credits chosen from:

- EAST 351 Intermediate Sound Recording I (3.00)
- EAST 352 Intermediate Sound Recording II (3.00)
- MUSI 366 Music Composition Essentials I (3.00)
- MUSI 367 Music Composition Essentials II (3.00)

3 credits:

- MUSI 321 Managing a Career in Music (3.00)

6 credits chosen from EAST electives at the 400 level

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Electroacoustic Studies

Program Requirements

Minor in Electroacoustic Studies (24 credits)

6 credits:

- EAST 200 ASA and Aural Skills I (6.00)

12 credits:

- EAST 205 Electroacoustics I (6.00)
- EAST 305 Electroacoustics II (6.00)

6 credits chosen from EAST electives

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Specialization in Jazz Studies

Program Requirements

Specialization in Jazz Studies (66 credits)

18 credits:

- JAZZ 201 The Jazz Language (3.00)
- JAZZ 311 Advanced Jazz Aural Perception (3.00)
- MUSI 202 Aural Perception Fundamentals I (3.00)
- MUSI 203 Aural Perception Fundamentals II (3.00)
- MUSI 204 Harmony Fundamentals I (3.00)
- MUSI 205 Harmony Fundamentals II (3.00)

12 credits:

- JPER 251 Jazz Private Study I (3.00)
- JPER 252 Jazz Private Study II (3.00)
- JPER 330 Jazz Improvisation I (6.00)

9 credits chosen from JPER elective courses excluding Private Study

6 credits:

- JHIS 314 Jazz History (3.00)
- MHIS 205 Music, Sound and Society (3.00)

6 credits:

- JAZZ 400 Jazz Studies Capstone Seminar and Project (3.00)
- MUSI 321 Managing a Career in Music (3.00)

15 credits chosen from JAZZ, JHIS, JPER and MPRD courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Major in Music

Program Requirements

Major in Music (54 credits)

15 credits:

- MUSI 202 Aural Perception Fundamentals I (3.00)
- MUSI 203 Aural Perception Fundamentals II (3.00)
- MUSI 204 Harmony Fundamentals I (3.00)
- MUSI 205 Harmony Fundamentals II (3.00)
- MUSI 351 Analysis (3.00)

3 credits chosen from MPER or JPER elective courses excluding Private Study

3 credits chosen from:

- MPER 361 Transdisciplinary Creation and Performance (3.00)
- MUSI 322 New Music and Media Arts (3.00)
- MUSI 421 Research in Music (3.00)

3 credits:

- MHIS 205 Music, Sound and Society (3.00)

3 credits chosen from MHIS or JHIS courses at the 300 and 400 level

6 credits:

- MUSI 321 Managing a Career in Music (3.00)
- MUSI 402 Capstone Seminar and Project (3.00)

21 credits of Music Area elective courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Music

Program Requirements

Minor in Music (24 credits)

6 credits:

- MUSI 202 Aural Perception Fundamentals I (3.00)
- MUSI 204 Harmony Fundamentals I (3.00)

Note: If exempt from MUSI 202 and MUSI 204, students must choose from Music elective courses selected in consultation with a Music advisor.

3 credits:

- MHIS 205 Music, Sound and Society (3.00)

15 credits of Music Area elective courses chosen in consultation with a Music advisor

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Specialization in Music Composition and Production

Program Requirements

Specialization in Music Composition and Production (66 credits)

18 credits:

- MUSI 202 Aural Perception Fundamentals I (3.00)
- MUSI 203 Aural Perception Fundamentals II (3.00)
- MUSI 204 Harmony Fundamentals I (3.00)
- MUSI 205 Harmony Fundamentals II (3.00)
- MUSI 311 Advanced Aural Perception (3.00)
- MUSI 351 Analysis (3.00)

3 credits chosen from MPER or JPER elective courses excluding Private Study

3 credits chosen from:

- MPER 361 Transdisciplinary Creation and Performance (3.00)
- MUSI 322 New Music and Media Arts (3.00)
- MUSI 421 Research in Music (3.00)

3 credits:

- MHIS 205 Music, Sound and Society (3.00)

3 credits chosen from MHIS or JHIS courses at the 300 and 400 level

12 credits:

- MPRD 201 Music Production Fundamentals I (3.00)
- MPRD 202 Music Production Fundamentals II (3.00)
- MUSI 366 Music Composition Essentials I (3.00)
- MUSI 367 Music Composition Essentials II (3.00)

12 credits chosen from MPRD electives and the following MUSI electives, including a minimum of six credits at the 400 level:

- MUSI 263 Songwriting I (3.00)
- MUSI 363 Songwriting II (3.00)
- MUSI 364 Acoustic Instrumentation and Orchestration (3.00)

- MUSI 365 Electronic Instrumentation and Orchestration (3.00)
- MUSI 463 Composing with Sound and Pitch (3.00)
- MUSI 464 Composing with Time and Space (3.00)
- MUSI 4650 Composing with Rule and Choice (3.00)
- MUSI 466 Composing for Image and Media (3.00)

6 credits:

- MUSI 321 Managing a Career in Music (3.00)
- MUSI 402 Capstone Seminar and Project (3.00)

6 credits of Music elective courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Specialization in Music Performance

Program Requirements

Specialization in Music Performance (66 credits)

18 credits:

- MUSI 202 Aural Perception Fundamentals I (3.00)
- MUSI 203 Aural Perception Fundamentals II (3.00)
- MUSI 204 Harmony Fundamentals I (3.00)
- MUSI 205 Harmony Fundamentals II (3.00)
- MUSI 311 Advanced Aural Perception (3.00)
- MUSI 351 Analysis (3.00)

6 credits:

- MPER 251 Private Study I (3.00)
- MPER 252 Private Study II (3.00)

6 credits chosen from:

- MPER 351 Private Study III (3.00)
- MPER 352 Private Study IV (3.00)
- MPER 390 Advanced Private Study I (6.00)

6 credits:

- MPER 490 Advanced Private Study II (6.00)

3 credits:

- MHIS 205 Music, Sound and Society (3.00)

3 credits chosen from MHIS or JHIS courses at the 300 and 400 level.

3 credits chosen from:

- MPER 361 Transdisciplinary Creation and Performance (3.00)
- MUSI 322 New Music and Media Arts (3.00)
- MUSI 421 Research in Music (3.00)

15 credits chosen from MPER or JPER elective courses excluding Private Study

6 credits:

- MUSI 321 Managing a Career in Music (3.00)
- MUSI 402 Capstone Seminar and Project (3.00)

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to Programs in Music

In addition to the normal admission procedure of Concordia University, there is a distinct admission procedure for applicants to Music programs.

All applicants to an Electroacoustic program, including the minor, major, or specializations, must submit a portfolio of their own work.

All applicants to the Major in Music must complete theory and ear training placement tests.

All applicants to the Specialization in Music Composition and Production must submit a portfolio of their own work, and complete theory and ear training placement tests. All applicants to the Specialization in Music Composition and Production or the Specialization in Jazz Studies must complete theory and ear training placement tests, as well as an audition. For more information concerning these additional requirements and submission deadline dates, please visit the School of Performance website: concordia.ca/finearts/performance.

BFA Specialization in Acting for the Theatre

Program Requirements

Specialization in Acting for the Theatre (60 credits)

21 credits:

- ACTT 209 The Engaged Theatre Artist (3.00)
- PERC 211 Theatre and the City (3.00)
- PERC 212 Introduction to Dramaturgy (3.00)
- PERC 303 Theatre History and Theory to 1800 (3.00)
- PERC 306 Theatre History and Theory, 1800 to the Present (3.00)
- SCEN 209 Scenography I (3.00)
- SCEN 271 Introduction to Elements of Production (3.00)

15 credits:

- ACTT 210 Scene Study: Realistic Texts (3.00)
- ACTT 211 Voice and Movement for the Stage I (3.00)
- ACTT 321 Movement for the Stage II (3.00)
- ACTT 325 Voice for the Stage II (3.00)
- ACTT 331 Scene Study: Heightened Texts (3.00)

15 credits chosen from the following studio courses:

- ACTT 231 Ensemble I (3.00)
- ACTT 332 Improvisation (3.00)
- ACTT 355 Voice for the Stage III (3.00)
- ACTT 358 Movement for the Stage III (3.00)
- ACTT 362 Laban for the Actor (3.00)
- ACTT 370 Clown for the Actor (3.00)
- ACTT 372 Stage Combat (3.00)
- ACTT 398 Special Topics in Acting (3.00)
- ACTT 432 Rasaboxes (3.00)
- ACTT 450 Advanced Acting Studio (3.00)
- ACTT 455 Dialects for the Actor (3.00)

- ACTT 456 Singing for the Actor (3.00)
- ACTT 458 Movement for the Stage IV (3.00)
- ACTT 465 The Actor's Profession (3.00)
- ACTT 498 Special Topics in Acting (3.00)

3 credits chosen from the following studio or seminar courses:

- ACTT 480 Designing an Acting Workshop (3.00)
- ACTT 481 Conducting an Acting Workshop (3.00)

or any Theatre course outside of the Specialization in Acting, with the exception of:

- PERC 390 Performance Creation Studio (3.00)
- PERC 488 Short Works Festival (3.00)
- PERC 490 Performance Creation Mainstage (6.00)
- PERC 496 Performance Creation Field School (3.00)

6 credits chosen from the following public performance courses:

- ACTT 360 Ensemble II (3.00)
- ACTT 435 Creation Project (3.00)
- ACTT 436 Contemporary Text Project (3.00)
- ACTT 439 Mainstage Contemporary Text Project (6.00)
- ACTT 440 Supervised Acting Performance Project (3.00)
- ACTT 460 Classical Text Project (3.00)
- ACTT 463 Mainstage Classical Text Project (6.00)
- PERC 390 Performance Creation Studio (3.00)
- PERC 488 Short Works Festival (3.00)
- PERC 490 Performance Creation Mainstage (6.00)

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Specialization in Performance Creation

Program Requirements

Specialization in Performance Creation (60 credits)

21 credits:

- PERC 209 The Engaged Theatre Artist (3.00)
- PERC 211 Theatre and the City (3.00)
- PERC 212 Introduction to Dramaturgy (3.00)
- PERC 303 Theatre History and Theory to 1800 (3.00)
- PERC 306 Theatre History and Theory, 1800 to the Present (3.00)
- SCEN 209 Scenography I (3.00)
- SCEN 271 Introduction to Elements of Production (3.00)

9 credits:

- PERC 210 Performance Creation Studio I: Theory and Method (3.00)
- PERC 321 Introduction to Performance Studies (3.00)
- PERC 384 Performance Creation Studio II: Collaborative Practice (3.00)

6 credits:

- PERC 311 Directing I (3.00)
- PERC 318 Playwriting I (3.00)

6 credits chosen from the following seminar courses:

- PERC 322 Gender and Sexuality in Performance (3.00)
- PERC 323 Post-Colonial Theory and Practice (3.00)
- PERC 324 Queer Theatre and Performance (3.00)
- PERC 354 Popular Theatre (3.00)
- PERC 412 Expanded Dramaturgical Practice (3.00)
- PERC 421 Socially Engaged and Activist Performance (3.00)

6 credits chosen from the following studio courses:

- PERC 350 Somatic Inquiry (3.00)
- PERC 351 Community Arts: The Art of Engagement (3.00)

- PERC 355 The Arts of Listening and Interviewing (3.00)
- PERC 356 Puppetry and Performing Object Workshop (3.00)
- PERC 386 Interdisciplinary Approaches to Performance Creation (3.00)
- PERC 422 Indigenous Storytelling (3.00)
- PERC 462 Playwriting II (3.00)
- PERC 464 Oral History Performance (3.00)
- PERC 471 Directing II (3.00)
- PERC 486 Site-specific Performance Practice (3.00)

6 credits chosen from the following public performance courses:

- ACTT 360 Ensemble II (3.00)
- ACTT 435 Creation Project (3.00)
- ACTT 436 Contemporary Text Project (3.00)
- ACTT 439 Mainstage Contemporary Text Project (6.00)
- ACTT 440 Supervised Acting Performance Project (3.00)
- ACTT 460 Classical Text Project (3.00)
- ACTT 463 Mainstage Classical Text Project (6.00)
- PERC 390 Performance Creation Studio (3.00)
- PERC 488 Short Works Festival (3.00)
- PERC 490 Performance Creation Mainstage (6.00)
- PERC 496 Performance Creation Field School (3.00)

6 credits chosen from Theatre courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

BFA Specialization in Scenography

Program Requirements

Specialization in Scenography (60 credits)

3 credits chosen from:

- ACTT 209 The Engaged Theatre Artist (3.00)
- PERC 209 The Engaged Theatre Artist (3.00)

24 credits:

- PERC 211 Theatre and the City (3.00)
- PERC 212 Introduction to Dramaturgy (3.00)
- PERC 303 Theatre History and Theory to 1800 (3.00)
- PERC 306 Theatre History and Theory, 1800 to the Present (3.00)
- SCEN 209 Scenography I (3.00)
- SCEN 210 Scenography II (3.00)
- SCEN 214 Drawing for Scenography (3.00)
- SCEN 271 Introduction to Elements of Production (3.00)

9 credits chosen from the following conception courses:

- SCEN 304 Introduction to Designer's Studio: Conception (3.00)
- SCEN 314 Lighting Design Conception (3.00)
- SCEN 324 Costume Design Conception (3.00)
- SCEN 334 Set Design Conception (3.00)
- SCEN 344 Elements of Multimedia Conception (3.00)
- SCEN 347 Exhibition Scenography (3.00)
- SCEN 404 Advanced Designer's Studio: Conception (3.00)
- SCEN 411 Urban Scenographies (3.00)
- SCEN 413 Art Direction (3.00)
- SCEN 448 Design Field School (3.00)
- SCEN 498 Special Topics in Scenography (3.00)

9 credits chosen from the following realization courses:

- SCEN 305 Independent Study I (3.00)

- SCEN 315 Lighting Design Realization (3.00)
- SCEN 325 Costume Design Realization (3.00)
- SCEN 326 Costume Accessories Realization (3.00)
- SCEN 327 Hair and Make-up Design (3.00)
- SCEN 335 Set Design Realization (3.00)
- SCEN 336 Stage Properties Realization (3.00)
- SCEN 337 Scene Painting Realization (3.00)
- SCEN 345 Elements of Multimedia Realization (3.00)
- SCEN 398 Special Topics in Scenography (3.00)
- SCEN 405 Independent Study II (3.00)

3 credits:

- PERC 311 Directing I (3.00)

3 credits chosen from the following studio/seminar courses:

- PERC 356 Puppetry and Performing Object Workshop (3.00)
- PERC 464 Oral History Performance (3.00)
- PERC 486 Site-specific Performance Practice (3.00)

9 credits of elective courses from the Faculty of Fine Arts

Note: Students are advised to select six credits from Studio Art electives.

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Minor in Theatre

Program Requirements

Minor in Theatre (24 credits)

6 credits:

- PERC 211 Theatre and the City (3.00)
- PERC 212 Introduction to Dramaturgy (3.00)

3 credits chosen from:

- PERC 303 Theatre History and Theory to 1800 (3.00)
- PERC 306 Theatre History and Theory, 1800 to the Present (3.00)

3 credits chosen from:

- PERC 321 Introduction to Performance Studies (3.00)
- PERC 322 Gender and Sexuality in Performance (3.00)
- PERC 323 Post-Colonial Theory and Practice (3.00)
- PERC 324 Queer Theatre and Performance (3.00)
- PERC 398 Special Topics in Performance Creation (3.00)

12 credits of Theatre elective courses

Notes

- Students are responsible for fulfilling their particular degree requirements; hence, the sequences above must be read in conjunction with Section 81.20 Degree Requirements.

Admission to Programs in Theatre

The School of Performance has distinct admissions procedures in addition to the normal admission process of Concordia University. All applicants (except those applying to the Minor in Theatre) are required to submit a letter of intent (approximately 500 words) in which they name specifically to which program they wish to apply: the Specialization in Acting for the Theatre, the Specialization in Performance Creation, or the Specialization in Scenography.

Applicants must arrange their appointments and obtain detailed information regarding interviews, auditions, portfolios, and letters of intent on the School of Performance website at: concordia.ca/finearts/theatre.

In addition to the interview and letter of intent:

1. Applicants applying to the Specialization in Acting for the Theatre are required to audition.
2. Applicants applying to the Specialization in Performance Creation are required to audition.
3. Applicants applying to the Specialization in Scenography must bring to the interview a portfolio including visual material demonstrating their creative abilities and interests.

School of Performance Courses

Contemporary Dance Courses

Music Courses

Theatre Courses

Contemporary Dance Courses

DANC 202 Orienting the Choreographing Self (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

This introductory course allows students to explore and contextualize their personal history of dance and begin to understand what it means to produce dance in a university setting. Students learn how to choreograph solos for each other, read and discuss texts about dance, examine issues of appropriation, and observe and critique different theories, including Indigenous, non-Western, decolonial approaches to choreographic work.

Component(s):

"Seminar"; "Studio"

Notes:

- Students who have received credit for DANC 200 or DANC 201 may not take this course for credit.

DANC 203 Collaboration in Choreographic Practices (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DANC 202. Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

In this studio-based course, students explore theoretical, conceptual, and embodied approaches to creating collaborative choreography. Students make connections between academic theory, their personal choreographic explorations, and collaborative practice-based work. Students critically examine culturally diverse theories of Indigenous and decolonial choreographic collaborative practices including Western choreographic models.

Component(s):

"Seminar"; "Studio"

Notes:

- Students who have received credit for DANC 200 or DANC 201 may not take this course for credit.

DANC 205 Technique I (6 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

Emphasis is placed on the proper alignment and placement of the body in stillness and in motion. Integration and execution of movement fundamentals and sequences are taught as a preparation for dance.

Component(s):

"Studio"

Notes:

- Students who have received credit for DANC 210 may not take this course for credit.

DANC 211 Dance and Cultural Histories (3 credits)

Description:

This course introduces major concepts, approaches, and issues in the study of dance as a cultural, historical, contemporaryand artistic practice. Drawing on selected examples of historical and contemporary creations and uses of dance in culturally diverse contexts, the course critiques traditional Western dance historization and the focus on aesthetic representation as benchmarks of success in dance.

Component(s):

"Lecture"; "Seminar"

DANC 240 Principles of Contemporary Dance (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A survey of technical skills, improvisation, and dance composition.

Component(s):

"Studio" 4 hours per week; "Laboratory" 2 hours per week

Notes:

- Students enrolled in the Major in Contemporary Dance may not take this course for credit towards their degree program.

DANC 260 Sound and Silence for the Dancer (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

The basics of music theory through guided analytical text using singing, single line score reading and moving, including the study of rhythm, melody, harmony, tempi, dynamics, tone colour, and musical forms with emphasis on the fundamental understanding of rhythm, melody, and harmony physically and mentally.

Component(s):

"Lecture"

Notes:

- Students who have received credit for DANC 230 may not take this course for credit.

DANC 261 Summer Workshop in Dance I (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

Sequences of studio sessions which may include body movement, improvisation, performance technique, and choreography.

Component(s):

"Studio" 4 hours per week; "Laboratory" 2 hours per week

Notes:

- Students enrolled in the Major in Contemporary Dance may not take this course for credit towards their program requirements.

DANC 262 Summer Workshop in Dance II (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A continuation of DANC 261.

Component(s):

"Studio" 4 hours per week; "Laboratory" 2 hours per week

Notes:

- Students enrolled in the Major in Contemporary Dance may not take this course for credit towards their program requirements.

DANC 302 Dance as Social Life and Cultural Practice (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DANC 202 and DANC 203, or DANC 200 or DANC 201; and DANC 211. Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

In this practice-based course, students examine dance from culturally diverse viewpoints to investigate the question of who has the right to dance and choreograph. Students critique how dance has been used to exclude Indigenous and marginalized communities. Ethnographic choreographic alternatives are explored in order to move towards more culturally diverse, decolonized, sustainable, and inclusive practices.

Component(s):

"Seminar"; "Studio"

Notes:

- Students who have received credit for DANC 300 or DANC 301 may not take this course for credit.

DANC 303 Scenography and Other Spatial Conditions in Dance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DANC 202 and DANC 203, or DANC 200 or DANC 201; and DANC 211. Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

The course focuses on space as context for the development of choreographic concepts. Students are exposed to and explore a variety of spaces, from the arrangement of the audience to physical dance sites, and examine how changes in these factors result in different choreographic outcomes. The course supports collective making, feminist and decolonial approaches as essential elements of contemporary art.

Component(s):

"Seminar"; "Studio"

Notes:

- Students who have received credit for DANC 300 or DANC 301 may not take this course for credit.

DANC 305 Technique II (6 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

Emphasis is placed on the technical development of suppleness, strength, coordination, rhythm, and kinetic fundamentals. Loco-motor patterns, spatial relations, and phrasing are formulated into movement sequences to prepare the students for dance.

Component(s):

"Studio"

Notes:

- Students who have received credit for DANC 310 may not take this course for credit.

DANC 306 Improvisation as Choreography (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DANC 202, DANC 203. Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

This course introduces transdisciplinary research in the arts that explores how improvisation connects performers and art forms across and beyond disciplines. To create meaningful and shared experiences for themselves, each other, and audiences, students/performers of different backgrounds and disciplines examine diverse theories of choreographic collaborative practices, including Indigenous, decolonial, and Western choreographic models.

Component(s):

"Seminar"; "Studio"

Notes:

- Students who have received credit for this topic under a DANC 398 number may not take this course for credit.

DANC 307 Dance Dramaturgy and Authorship (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DANC 202, DANC 203. Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

This studio-based course questions major concepts of dramaturgy as a historical institutional structure that developed theatrical performances as communication and expression in exchange with an audience. The course facilitates contemporary choreography from culturally diverse perspectives by reframing dramaturgy as a collective and collaborative process of critical analysis. Students situate their choreographic work in a historical context to understand the impact of their artistry on current and future social and artistic structures.

Component(s):

"Seminar"; "Studio"

Notes:

- Students who have received credit for DANC 320 or for this topic under a DANC 398 number may not take this course for credit.

DANC 330 Principles of Anatomy and Body Movement (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DANC 205 / DANC 210. Written permission of the School of Performance is required.

Description:

A workshop of movement fundamentals based on the practical understanding of anatomy and dance technique.

Component(s):

"Studio" 6 hours per week

DANC 350 Practical Anatomy for the Moving Body (3 credits)

Description:

An introduction to human anatomy in relation to movement and dance. The study of skeletal structure and the function of muscles and joints for proper alignment.

Component(s):

"Lecture"; "Studio"

DANC 398 Special Topics in Dance (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

Topics vary from year to year, taking into account the special aptitudes of instructors and students.

Component(s):

"Studio" 6 hours per week

DANC 402 Politics of Dance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DANC 211; and DANC 302 and DANC 303, or DANC 300 or DANC 301. Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

This studio-based course provides an overview and choreographic application of key texts in critical dance studies. Students learn how dance is a form of political expression and how choreographic practices can impact society. As a result, students understand dance in relation to social structures, and how dance and culture, as decolonial practices, develop out of shared aesthetic and political principles.

Component(s):

"Seminar"; "Studio"

Notes:

- Students who have received credit for DANC 400 or DANC 401 may not take this course for credit.

DANC 403 Sustainability in Contemporary Dance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DANC 211; and DANC 302 and DANC 303, or DANC 300 or DANC 301. Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

In this studio-based course, students examine environmental and sustainable practices in relation to dance. Attention is given to how dance can be used as a tool to communicate environmental issues to diverse audiences and to interrogate the impact of dance practices on the environment, dancers' bodies, and communities. Students study the work of choreographers who practice social, decolonized, and environmental sustainability and examine ways to apply these approaches to their own creative practices.

Component(s):

"Seminar"; "Studio"

Notes:

- Students who have received credit for DANC 400 or DANC 401 may not take this course for credit.

DANC 404 Design for Dance (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DANC 202 , DANC 203. The following course must be completed concurrently: DANC 411 . Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

This course provides students with an in-depth understanding of how different design disciplines connect to choreography and how to effectively communicate with lighting and sound designers. Students learn how to implement design elements in the rehearsal studio and evolve their choreography alongside the design. Students engage with multiple materials, including audiovisual equipment, to broaden the possibilities of their own work in diverse theatrical settings.

Component(s):

"Studio"

DANC 405 Technique III (6 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

Emphasis is placed on refining and consolidating the student's practical understanding of kinetics in relation to placement, locomotion, movement patterns, dynamics, and phrasing. Students refine their perceptual and memory skills, and learn to integrate more complex movement notions to support interpretation in dance.

Component(s):

"Studio"

Notes:

- Students who have received credit for DANC 410 may not take this course for credit.

DANC 411 Capstone I: Choreographic Process (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DANC 202, DANC 203, DANC 211, DANC 302, DANC 303, DANC 306, DANC 307. Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

In this studio-based course, students experiment with conceptual frameworks to produce inclusive and sustainable choreographic projects. They make connections between their personal ideas, exemplary choreographic works, and academic theories. They examine culturally diverse theories of Indigenous and decolonial collaborative practices including Western choreographic models to develop and practice new models of leadership in performance development. This course outcome will be realized in DANC 412 where students present their final choreographic work.

Component(s):

"Studio"

Notes:

- Students who have received credit for DANC 420may not take this course for credit.

DANC 412 Capstone II: Choreographic Realization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: DANC 202, DANC 203, DANC 211, DANC 302, DANC 303, DANC 306, DANC 307, DANC 411. Enrolment in the Major in Contemporary Dance is required. If prerequisites are not satisfied, permission of the School of Performance is required and will be determined by previous experience and space availability.

Description:

Building upon the processes developed in DANC 411, this course realizes the development of a sustained choreographic work for public presentation and its documentation. Students delve more deeply into the meaning and intention behind their movements, drawing inspiration from culturally diverse sources and strategies to inform their artistic vision. With

opportunities for informal studio presentations, students receive feedback and guidance, fostering a supportive community of creativity and growth.

Component(s):

"Studio"

Notes:

- Students who have received credit for DANC 420 may not take this course for credit.

DANC 441 Independent Study I (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

Students who have completed advanced choreography courses or the equivalent have the opportunity of carrying out a project of independent study. Subject matter must deal with specific aspects of contemporary dance. Tutorials with the project advisor are mandatory.

Component(s):

"Studio"

DANC 442 Independent Study II (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A student repeating DANC 441 registers for credit under DANC 442.

Component(s):

"Studio"

DANC 499 Topics in Dance (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

Advanced choreography where movement shares equal emphasis with all other arts developed into multimedia theatre. Studio: four hours per week.

Component(s):

"Studio" 4 hours per week; "Laboratory" 2 hours per week

Music Courses

Quick Links

Electroacoustic Studies Courses

Jazz History Courses

Jazz Performance Courses

Jazz Studies Courses

Music Courses

Music History Courses

Music Performance Courses

Music Production Courses

Admission to Courses in Music for Non-Music Students

Specific procedures must be followed by all non-Music majors wishing to register in Music Programs.
a) Not all courses are available to non-Music students. Please consult the School of Performance for policy and accessibility of courses.
b) Students who wish to register for courses which have a theory prerequisite, given availability, must write the Theory placement test. This is done in the School of Performance at least two weeks prior to the registration appointment date.
c) Students who wish to sing or play in an ensemble must contact the School of Performance for information concerning audition and registration for Music Performance courses.

Electroacoustic Studies Courses

EAST 200 ASA and Aural Skills I (6 credits)

Prerequisite/Corequisite:

Enrolment in an Electroacoustic program is required.

Description:

Based upon concepts articulated in Auditory Scene Analysis (ASA), this intensive fundamental ear-training course is integrated with electroacoustics and music technology through composition. It offers a focused study of sound, acoustic and psychoacoustic, designed to develop the inner and outer ear. Direct practical application studies in sonic and musical dictation and creation fosters expanded and refined hearing.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAMT 399 number may not take this course for credit.

EAST 203 Digital Audio Editing (3 credits)

Description:

This course is an introduction to the study and practice of the Acousmatic and Sound Art tradition through the use of the computer as a manipulation platform and creative environment for the exploration of sound. This course includes historical and aesthetic aspects of the art. Classic and contemporary electroacoustic techniques are explored as are applications of electroacoustics in popular music. Related topics in acoustics, psychoacoustics, hearing, and audio technology are covered in order to provide a background for effective work in the digital environment.

Component(s):

"Studio"

Notes:

- Students in the Electroacoustic Minor, Major, or Specialization programs may not apply this course for credit to their concentration.
- Students who have received credit for EAMT 203, or for this topic under an EAMT 398 or EAMT 399 number, may not take this course for credit.

EAST 205 Electroacoustics I (6 credits)

Prerequisite/Corequisite:

Enrolment in an Electroacoustic program is required.

Description:

A seminar/workshop in electroacoustics introducing composition through analysis and directed studies involving recording, editing, processing of analog and digital signals, a full introduction to live and mixed electroacoustic composition, and modular analog synthesis, all in a multi-channel environment.

Component(s):

"Lecture"; "Studio"

Notes:

- Students in the Specialization in Electroacoustic Creative Practices may not apply this course to their concentration.
- Students are required to bear the cost of materials.
- Students who have received credit for EAMT 205 may not take this course for credit.

EAST 231 Sound For Artists (3 credits)

Description:

This course is an introduction to the study and creation of sound for artistic contexts. It includes historical and aesthetic aspects of sound utilizing current computer and studio-based technologies. Basics of sound recording, editing, and processing are covered, as well as creative applications in installation and performance art, electronic arts, and

screen-based practices. Spoken word, music (electronically/digitally generated), everyday sound and mechanically produced sounds are explored. Related topics in acoustics, hearing, and the theoretical concepts central to sound art are also introduced, in order to provide a background for effective and informed work with sound in a student's art practice.

Component(s):

"Studio"

Notes:

- Students in the Electroacoustic Minor, Major, or Specialization programs may not apply this course for credit to their concentration.
- Students who have received credit for this topic under an EAMT 298 number may not take this course for credit.

EAST 251 Introduction to Recording I (3 credits)

Prerequisite/Corequisite:

Enrolment in an Electroacoustic program is required.

Description:

This introductory course provides an overview of analog and digital audio technology with attention to its innovations, history, and effect on the practice of sound recording and involves a classroom-based study of issues related to sound recording.

Component(s):

"Lecture"

Notes:

- Students in the Specialization in Electroacoustic Recording Arts may not apply this course for credit to their concentration.
- Students who have received credit for this topic under an EAMT 298 number may not take this course for credit.

EAST 252 Introduction to Recording II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 251.

Description:

A continuation of EAST 251.

Component(s):

"Lecture"

Notes:

- Students in the Specialization in Electroacoustic Recording Arts may not apply this course for credit to their concentration.
- Students who have received credit for this topic under an EAMT 298 number may not take this course for credit.

EAST 298 Special Topics in Electroacoustic (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A study of selected topics in electroacoustics.

Component(s):

"Studio"

EAST 299 Special Topics in Electroacoustics (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A study of selected topics in electroacoustics.

Component(s):

"Studio"

EAST 300 ASA and Aural Skills II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 200.

Description:

This course is a continuation of EAST 200 based upon the principles of auditory scene analysis and critical listening. It extends the development of fundamental aural skills critical to students in electroacoustics. The course integrates electroacoustic analysis with music technology through detailed study of representative electroacoustic works. A number of digital studio techniques, such as envelopes, EQ, compression, reverb, and time stretching/pitch shifting, are also studied in this context.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAMT 399 number may not take this course for credit.

EAST 305 Electroacoustics II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 205 ; or students must be enrolled in the Specialization in Electroacoustic Creative Practices.

Description:

A seminar/workshop in electroacoustics with continued work in fixed media, live, mixed and interdisciplinary composition, and sound design.

Component(s):

"Lecture"; "Studio"

Notes:

- Students are required to bear the cost of materials.
- Students who have received credit for EAMT 305 may not take this course for credit.

EAST 331 Sound Art Practices (6 credits)

Description:

An intermediate-level sound art theory and production course focusing on individual or collaborative sound projects for artistic contexts such as installation and performance art, electronic arts, and screen-based practices. This course also addresses relevant reading and theoretical background.

Component(s):

"Lecture"; "Studio"

Notes:

- Students in the Electroacoustic Minor, Major, or Specialization programs may not apply this course for credit to their concentration.
- Students who have received credit for this topic under an EAMT 399 number may not take this course for credit.

EAST 351 Intermediate Sound Recording I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 252.

Description:

An intensive seminar/workshop studying the techniques used to record and edit music in settings ranging from live concert performances to studio session recordings. Hands-on experience and aural perception is developed during ensemble rehearsal and recording sessions. Emphasis is placed on production topics such as multi-track recording, microphone placement systems, and audio processes. An understanding is developed of the language of music through basic music appreciation skills as they relate to recording and editing of music.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAMT 398 number may not take this course for credit.

EAST 352 Intermediate Sound Recording II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 351.

Description:

A continuation of EAST 351.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAMT 398 number may not take this course for credit.

EAST 361 Current Sound Practice Seminar (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: EAST 305.

Description:

Topics vary from year to year, but may include such elements as sound design, glitch, noise, microsound, plunderphonics, collage, and game sound.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAMT 398 or 498 number may not take this course for credit.

EAST 362 Virtual Modular Synthesis (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: EAST 305.

Description:

A detailed study of selected digital synthesis techniques.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAMT 398 number may not take this course for credit.

EAST 363 Concordia Laptop Orchestra I (CLOrk) (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: EAST 305.

Description:

The Concordia Laptop Orchestra specializes in networked and interdisciplinary creation and performance. It performs physically and telematically with ensembles and soloists worldwide.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAST 398 number may not take this course for credit.

EAST 365 Multi-channel Composition: Sound and Spaces (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: EAST 305.

Description:

A seminar workshop on composition for four or more channels. The topics may include fixed media presentations, sound projection techniques, and multi-channel installation art. Topics vary from year to year.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAMT 398 or 498 number may not take this course for credit.

EAST 398 Special Topics in Electroacoustics (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A study of a selected area not available in other courses in electroacoustics.

Component(s):

"Studio"

EAST 399 Special Topics in Electroacoustics (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A study of a selected area not available in other courses in electroacoustics.

Component(s):

"Studio"

EAST 406 Electroacoustic Composition Seminar/Workshop I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 305.

Description:

A seminar/workshop with a focus on composition for advanced students in electroacoustics. Students are encouraged to include an interdisciplinary component in their final project.

Component(s):

"Lecture"; "Studio"

Notes:

- Students are required to bear the cost of materials.
- Students who have received credit for EAMT 406 may not take this course for credit.

EAST 407 Electroacoustic Composition Seminar/Workshop II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 406.

Description:

A continuation of EAST 406.

Component(s):

"Lecture"; "Studio"

Notes:

- Students are required to bear the cost of materials.
- Students who have received credit for EAMT 407 may not take this course for credit.

EAST 451 Advanced Recording I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 352.

Description:

A continuation of EAST 352. Emphasis is on advanced independent projects.

Component(s):

"Studio"

Notes:

- Students who have received credit for EAMT 451 may not take this course for credit.

EAST 452 Advanced Recording II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 451.

Description:

A continuation of EAST 451.

Component(s):

"Studio"

Notes:

- Students who have received credit for EAMT 452 may not take this course for credit.

EAST 461 Capstone Project Seminar I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 406. Students must have completed 60 credits in their degree program prior to enrolling.

Description:

An advanced, open seminar/workshop environment where students are encouraged to work on individual projects, and in a collaborative, cross-disciplinary or multicultural fashion.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAMT 498 number may not take this course for credit.

EAST 462 Capstone Project Seminar II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 461.

Description:

A continuation of EAST 461.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAMT 498 number may not take this course for credit.

EAST 463 Concordia Laptop Orchestra II (CLOrk) (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 363.

Description:

A continuation of EAST 363.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under an EAST 398 number may not take this course for credit.

EAST 465 Capstone Recording Project I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: EAST 452.

Description:

An open workshop where students engage in intensive studies in applied recording arts. Students are expected to collaborate with other musicians from the Music area.

Component(s):

"Studio"

Notes:

- Students who have received credit for EAST 460 may not take this course for credit.

EAST 466 Capstone Recording Project II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 465. Students must have completed 60 credits in their degree program prior to enrolling.

Description:

An open workshop where students engage in intensive studies in applied recording arts. Students are expected to collaborate with other musicians from the Music area.

Component(s):

"Studio"

Notes:

- Students who have received credit for EAST 460 may not take this course for credit.

EAST 471 Independent Study I (3 credits)

Prerequisite/Corequisite:

Students must have completed 60 credits in their degree program prior to enrolling. Written permission of the School of Performance is required.

Description:

A student-designed course of study, approved by an advisor, that focuses on an area of electroacoustics.

Component(s):

"Lecture"; "Studio"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

EAST 472 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 471. Written permission of the School of Performance is required.

Component(s):

"Lecture"; "Studio"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

EAST 481 Supervised Internship I (3 credits)

Prerequisite/Corequisite:

Enrolment in an Electroacoustic program is required. Students must have completed 60 credits in their degree program prior to enrolling. Written permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for sound-focused work completed for a recognized organization, or a sound-focused project under the joint supervision of a qualified professional and a full-time faculty member.

Component(s):

"Studio"

EAST 482 Supervised Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: EAST 481. Written permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for sound-focused work completed for a recognized organization, or a sound-focused project under the joint supervision of a qualified professional and a full-time faculty member.

Component(s):

"Studio"

EAST 498 Special Topics in Electroacoustics (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

An advanced study of a selected area not available in other courses in electroacoustics.

Component(s):

"Studio"

EAST 499 Special Topics in Electroacoustics (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

An advanced study of a selected area not available in other courses in electroacoustics.

Component(s):

"Studio"

Jazz History Courses

JHIS 314 Jazz History (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205 ; or students must be enrolled in the Certificate in Black and African Diaspora Studies in the Canadian Context or the Minor in Black and African Diaspora Studies in the Canadian Context.

Description:

A study of the historical developments and the people that contributed to the evolution of jazz styles.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MHIS 314 may not take this course for credit.

JHIS 351 The Ellington Era (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JHIS 314 .

Description:

The study of the life and music of Edward Kennedy Duke Ellington.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MHIS 312 or MHIS 351 may not take this course for credit.

JHIS 352 American Popular Song (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JHIS 314 .

Description:

A survey of the composers, lyricists, and performers of American popular song from 1900 to 1950 through the study of works by masters of the genre such as Gershwin, Porter, Berlin, and Arlen.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MHIS 313 or MHIS 352 may not take this course for credit.

JHIS 353 The Modern Jazz Orchestra (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JHIS 314 .

Description:

A survey of big band jazz music from 1943 to the present, beginning with Duke Ellington's epic composition "Black, Brown and Beige."

Component(s):

"Lecture"

Notes:

- Students who have received credit for MHIS 316 or MHIS 353 may not take this course for credit.

JHIS 354 The Music of Charles Mingus (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JHIS 314 .

Description:

The study of the life and music of Charles Mingus.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MHIS 317 or MHIS 354 may not take this course for credit.

JHIS 398 Special Topics in Jazz History (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205 ; or students must be enrolled in the Certificate in Black and African Diaspora Studies in the Canadian Context or the Minor in Black and African Diaspora Studies in the Canadian Context.

Description:

This course provides an opportunity for the study of special topics in jazz history.

Component(s):

"Lecture"

JHIS 471 Jazz History Independent Study (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

Students undertake independent research in jazz history under the supervision of a full-time faculty member.

Component(s):

"Lecture"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

JHIS 498 Special Topics in Jazz History (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205.

Description:

This course provides an opportunity for the study of special topics in jazz history.

Component(s):

"Lecture"

Jazz Performance Courses

JPER 223 Big Band I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: JAZZ 201. Enrolment in the BFA Specialization in Jazz Studies is required.

Description:

A performance course in which students participate in the Big Band Jazz Ensemble. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for JPER 220 or 221 may not take this course for credit.

JPER 224 Eclectic Ensemble I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: JAZZ 201. Enrolment in the BFA Specialization in Jazz Studies is required.

Description:

A performance course in which students participate in the Eclectic Ensemble. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for JPER 220 or 221 may not take this course for credit.

JPER 225 Jazz Choir I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously or concurrently: JAZZ 201. Enrolment in the BFA Specialization in Jazz Studiesis required.

Description:

A performance course in which students participate in the Jazz Choir. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for JPER 220 or 221 may not take this course for credit.

JPER 251 Jazz Private Study I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Jazz Studies is required. Written permission of the School of Performance is required.

Description:

This course offers individual vocal or instrumental instruction in jazz performance.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for MPER 251 or MUSI 231 may not take this course for credit.

JPER 252 Jazz Private Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 251. Written permission of the School of Performance is required.

Description:

A continuation of JPER 251.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students who have received credit for MPER 252 or MUSI 232 may not take this course for credit.

JPER 298 Special Topics in Jazz Performance (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A study of a selected area not available in other courses in jazz performance.

Component(s):

"Studio"

JPER 323 Big Band II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 223. Written permission of the School of Performance upon successful audition is required.

Description:

A continuation of JPER 223. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for JPER 321 may not take this course for credit.

JPER 324 Eclectic Ensemble II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 224. Written permission of the School of Performance upon successful audition is required.

Description:

A continuation of JPER 224. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for JPER 321 may not take this course for credit.

JPER 325 Jazz Choir II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 225. Written permission of the School of Performance upon successful audition is required.

Description:

A continuation of JPER 225. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for JPER 321 may not take this course for credit.

JPER 330 Jazz Improvisation I (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JAZZ 201; MUSI 205.

Description:

A performance-analysis course that examines the craft of jazz improvisation. A broad spectrum of jazz improvisational styles is examined. Participation in public performance is required.

Component(s):

"Studio"

Notes:

- Students who have received credit for MPER 330 may not take this course for credit.

JPER 341 Jazz Vocal Repertoire I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: JAZZ 201; MUSI 205.

Description:

A study of jazz vocal technique through performance of representative compositions and arrangements, and study of professional recordings demonstrating various jazz vocal styles. Special focus is on performance styles and building audience-performer relationships. Students are expected to participate in public performances.

Component(s):

"Studio"

JPER 351 Jazz Private Study III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 252. Students must be in second-year standing with 66 or fewer credits remaining in the Specialization in Jazz Studies. Written permission of the School of Performance is required.

Description:

A continuation of JPER 252.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for MPER 351, MPER 390 or MUSI 331 may not take this course for credit.

JPER 352 Jazz Private Study IV (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 351. Written permission of the School of Performance is required.

Description:

A continuation of JPER 351.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students who have received credit for MPER 352, MPER 390 or MUSI 332 may not take this course for credit.

JPER 398 Special Topics in Jazz Performance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 201. Enrolment in the BFA Specialization in Jazz Studies is required.

Description:

A study of a selected area not available in other courses in jazz performance.

Component(s):

"Studio"

JPER 399 Special Topics in Jazz Performance (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 201. Enrolment in the BFA Specialization in Jazz Studies is required.

Description:

A study of a selected area not available in other courses in jazz performance.

Component(s):

"Studio"

JPER 423 Big Band III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 323. Written permission of the School of Performance is required upon successful audition.

Description:

A continuation of JPER 323. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for JPER 421 may not take this course for credit.

JPER 424 Eclectic Ensemble III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 324. Written permission of the School of Performance upon successful audition is required.

Description:

A continuation of JPER 324. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for JPER 421 may not take this course for credit.

JPER 425 Jazz Choir III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 325. Written permission of the School of Performance upon successful audition is required.

Description:

A continuation of JPER 325. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for JPER 421 may not take this course for credit.

JPER 430 Jazz Improvisation II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 330.

Description:

A continuation of JPER 330.

Component(s):

"Studio"

Notes:

- Students who have received credit for MPER 430 may not take this course for credit.

JPER 441 Jazz Vocal Repertoire II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 341.

Description:

A continuation of JPER 341.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a MPER 498 number may not take this course for credit.

JPER 451 Jazz Private Study V (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 352. Students must be in thirdyear standing with 33 or fewer credits remaining in the Specialization in Jazz Studies. Written permission of the School of Performance is required.

Description:

A continuation of JPER 352.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for MPER 451, MPER 490 or MUSI 431 may not take this course for credit.

JPER 452 Jazz Private Study VI (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 451. Written permission of the School of Performance is required.

Description:

A continuation of JPER 451.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students who have received credit for MPER 452, MPER 490 or MUSI 432 may not take this course for credit.

JPER 471 Independent Study I (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with fewer than 66 credits remaining in their degree program or equivalent. Written permission of the School of Performance is required.

Description:

A student-designed course of study, approved by an advisor, on an area of jazz performance practice. When appropriate, the study may include a performance.

Component(s):

"Studio"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

JPER 472 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JPER 471. Written permission of the School of Performance is required.

Description:

A student repeating JPER 471 registers for JPER 472 for credit.

Component(s):

"Studio"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

JPER 498 Special Topics in Jazz Performance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 201. Enrolment in the BFA Specialization in Jazz Studies is required.

Description:

An advanced study of a selected area not available in other courses in jazz performance.

Component(s):

"Studio"

JPER 499 Special Topics in Jazz Performance (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 201. Enrolment in the BFA Specialization in Jazz Studies is required.

Description:

An advanced study of a selected area not available in other courses in jazz performance.

Component(s):

"Studio"

Jazz Studies Courses

JAZZ 201 The Jazz Language (3 credits)

Prerequisite/Corequisite:

Enrolment in a Music program offered by the School of Performance is required.

Description:

This course offers an introduction to the rich and evolving world of jazz. Students are introduced to the syntax, style, aesthetics, and sociology of jazz tracing its origins in African-American musical traditions, its growth through swing, bebop, cool jazz, fusion, and contemporary styles. Listening, readings/discussion, aural transcription, performance analysis, repertoire development, instrumental or vocal performance and film study constitute the core work.

Component(s):

"Lecture"

JAZZ 251 Rhythm and Melody (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Jazz Studies is required. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

An introduction to the elements of jazz rhythmic and melodic construction.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under INMS 250, INMS 251, INMS 499 or MUSI 210 (in jazz sections) may not take this course for credit.

JAZZ 298 Special Topics in Jazz Studies (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A study of a selected area not available in other courses in jazz studies.

Component(s):

"Studio"

JAZZ 303 Jazz Arranging I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 205 .

Description:

This course studies writing arrangements based upon compositions from the American popular song and jazz repertoires for small and medium-size jazz ensembles.

Component(s):

"Lecture"; "Studio"

Notes:

- Students who have received credit for JAZZ 302 may not take this course for credit.

JAZZ 304 Jazz Arranging II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 303.

Description:

Building on JAZZ 303, the study of writing arrangements for large ensembles including original compositions and jazz repertoire.

Component(s):

"Lecture"; "Studio"

Notes:

- Students who have received credit for INMS 431 or JAZZ 401 may not take this course for credit.

JAZZ 305 Jazz Composition I (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 205.

Description:

A seminar/workshop in jazz composition. After an examination of components of composition from the jazz repertoire, students write original music based on the blues, American popular song forms, and such idioms as those in the style of bebop, bossa nova, ragtime, and modal jazz.

Component(s):

"Lecture"; "Studio"

JAZZ 311 Advanced Jazz Aural Perception (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 203.

Description:

A continuation of jazz aural perception development at an advanced level.

Component(s):

"Lecture"; "Studio"

JAZZ 352 Jazz Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MUSI 203, MUSI 205.

Description:

An introduction to analytical techniques relating to form, motivic development, and texture, with reference to a variety of styles and time periods.

Component(s):

"Lecture"

Notes:

- Students who have received credit for INMS 351 (in jazz sections) may not take this course for credit.

JAZZ 398 Special Topics in Jazz Studies (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 201. Permission of the School of Performance is required.

Description:

A seminar/workshop in an area of music which provides an opportunity for the study of specialized aspects of jazz outside the scope of existing courses.

Component(s):

"Studio"

JAZZ 399 Special Topics in Jazz Studies (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 201. Permission of the School of Performance is required.

Description:

A seminar/workshop in an area of music which provides an opportunity for the study of specialized aspects of jazz outside the scope of existing courses.

Component(s):

"Studio"

JAZZ 400 Jazz Studies Capstone Seminar and Project (3 credits)

Prerequisite/Corequisite:

Students must have completed 60 credits in the BFA Specialization in Jazz Studies prior to enrolling.

Description:

Students design, implement and present advanced individual or collaborative projects in any area of jazz studies.

Component(s):

"Studio"

JAZZ 405 Jazz Composition II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 305.

Description:

A continuation of JAZZ 305.

Component(s):

"Lecture"; "Studio"

Notes:

- Students who have received credit for CMUS 430 may not take this course for credit.

JAZZ 471 Independent Study I (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with 66 or fewer credits remaining in their degree program. Written permission of the School of Performance is required.

Description:

A student-designed course of study, approved by an advisor, that focuses on an area of jazz studies.

Component(s):

"Lecture"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

JAZZ 472 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 471. Students must be in second-year standing with 66 or fewer credits remaining in their degree program. Written permission of the School of Performance is required.

Description:

A student-designed course of study, approved by an advisor, that focuses on an area of jazz studies.

Component(s):

"Lecture"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

JAZZ 481 Supervised Internship I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Jazz Studies is required. Students must have completed 60 credits in their degree program prior to enrolling. Written permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for work completed for a recognized jazz-related organization, or a project under the joint supervision of a qualified professional and a full-time faculty member.

Component(s):

"Studio"

JAZZ 482 Supervised Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 481. Written permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for work completed for a recognized jazz-related organization, or a project under the joint supervision of a qualified professional and a full-time faculty member.

Component(s):

"Studio"

JAZZ 498 Special Topics in Jazz Studies (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 201. Permission of the School of Performance is required.

Description:

An advanced seminar/workshop in an area of music which provides an opportunity for the study of specialized aspects of jazz outside the scope of existing courses.

Component(s):

"Studio"

JAZZ 499 Special Topics in Jazz Studies (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: JAZZ 201. Permission of the School of Performance is required.

Description:

An advanced seminar/workshop in an area of music which provides an opportunity for the study of specialized aspects of jazz outside the scope of existing courses.

Component(s):

"Studio"

Music Courses

MUSI 201 Introduction to Music Fundamentals (3 credits)

Description:

An intensive introductory course in basic music theory materials, with integrated practice in aural training and keyboard skills.

Component(s):

"Lecture"

Notes:

- Students in a Music program (excluding students enrolled in an Electroacoustic program) may not take this course for credit.
- Students who have received credit for this topic under INMS 499 or MUSI 200 may not take this course for credit.

MUSI 202 Aural Perception Fundamentals I (3 credits)

Prerequisite/Corequisite:

Enrolment in a Music program offered by the School of Performance is required.

Description:

This course develops core aural skills through sight-singing, dictation, aural analysis, and active listening, integrating classical and jazz approaches. Students train to recognize and create melodies, harmonies, and rhythms by ear, applying these skills in singing, playing, and improvisation.

Component(s):

"Studio"

MUSI 203 Aural Perception Fundamentals II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 202.

Description:

This course reinforces core aural skills through sight-singing, dictation, aural analysis, and active listening, integrating classical and jazz approaches. Students train to recognize and create more complex melodies, harmonies, and rhythms by ear, applying these skills in singing, playing, and improvisation.

Component(s):

"Studio"

MUSI 204 Harmony Fundamentals I (3 credits)

Prerequisite/Corequisite:

Enrolment in a Music program offered by the School of Performance is required.

Description:

This course examines the core principles of harmonic structures, progressions, and voice-leading, drawing from both classical and jazz traditions. Through applied analysis, performance and composition, students develop a practical understanding of diatonic harmony and its role in the extended common practice.

Component(s):

"Studio"

MUSI 205 Harmony Fundamentals II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 204 .

Description:

This course examines more complex harmonic structures, progressions, and voice-leading, drawing from both classical and jazz traditions. Through applied analysis, performance and composition, students reinforce a practical understanding of diatonic harmony and its role in the extended common practice.

Component(s):

"Studio"

MUSI 223 Understanding Music (3 credits)

Description:

A course in analytical listening for the student who has little or no musical background. The works studied represent the major styles and idioms of Western music.

Component(s):

"Lecture"; "Studio"

Notes:

- Students in a Music program may not take this course for credit towards their degree.

MUSI 241 Functional Keyboard Skills (3 credits)

Prerequisite/Corequisite:

Enrolment in the BFA Major in Music, the Minor in Music, the BFA Specialization in Music Performance, or the BFA Specialization in Music Composition and Productionis required. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

Open to all students whose principal instrument is not piano. Registration priority is given to students enrolled in the BFA Major in Music, Specialization in Electroacoustic Creative Practices, Specialization in Electroacoustic Recording Arts, Specialization in Jazz Studies, Specialization in Music Composition and Production, or the Specialization in Music Performance. A workshop/ laboratory that aims to develop and solidify fundamental and functional piano skills.

Component(s):

"Studio"

MUSI 242 Functional Guitar Skills (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Music or the Minor in Music is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Open to all students whose principal instrument is not guitar. A workshop/laboratory that aims to develop and solidify fundamental and functional guitar skills.

Component(s):

"Studio"

MUSI 243 Functional Vocal Skills (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Music or the Minor in Music is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Open to all students whose principal instrument is not voice. A workshop/laboratory that aims to develop and solidify fundamental and functional vocal skills.

Component(s):

"Studio"

MUSI 252 Melody and Counterpoint (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Music or the Minor in Music is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

An introduction to the basic elements of melodic construction and contrapuntal technique, with reference to a variety of genres, studied through analysis and composition.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under MUSI 210 may not take this course for credit.

MUSI 263 Songwriting I (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MUSI 202 , MUSI 204.

Description:

This course allows students to explore and develop their skills through regular songwriting as well as critical analysis of existing songs.

Component(s):

"Lecture"; "Studio"

MUSI 298 Special Topics in Music (3 credits)

Prerequisite/Corequisite:

Enrolment in a Music program is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

A study of a selected area not available in other courses in music.

Component(s):

"Studio"

MUSI 311 Advanced Aural Perception (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 203.

Description:

This course offers a continuation of aural perception development through sight-singing, dictation, transcription, and aural analysis. The study of aural perception is done through a combination of classroom lectures and workshops.

Component(s):

"Studio"

MUSI 321 Managing a Career in Music (3 credits)

Description:

This course introduces developing artists to the business and promotional tools necessary for launching and navigating a career in music.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a MUSI 398 number may not take this course for credit.

MUSI 322 New Music and Media Arts (3 credits)

Description:

An introduction to the practice and theory of contemporary sound-based art, new music expressions, and the media arts. This course explores the diversity of creative approaches, from the early 20th century to the present and the students' creative application of these approaches.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a MUSI 398 number may not take this course for credit.

MUSI 351 Analysis (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MUSI 203, MUSI 205.

Description:

This course offers an introduction to analytical techniques relating to form, motivic development, and texture, with reference to a variety of styles and genres. It also aims to develop critical thinking through the introduction to contemporary analytical approaches that may include disciplines such as semiology or hermeneutics.

Component(s):

"Lecture"

MUSI 353 Creative Counterpoint (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MUSI 203, MUSI 205, MUSI 252.

Description:

This course explores fugal and contrapuntal techniques found in contemporary music, pop and indie music, film, theatre and game music, and in music of diverse cultures. This course may include elements of performance and/or improvisation.

Component(s):

"Lecture"

MUSI 363 Songwriting II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 263.

Description:

This course is a continuation of MUSI 263. It allows students to further explore the development of a personal approach to songwriting and to prepare and present a portfolio of their work.

Component(s):

"Lecture"; "Studio"

MUSI 364 Acoustic Instrumentation and Orchestration (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MUSI 203 , MUSI 205 .

Description:

This course covers the fundamental elements of writing for acoustic instruments and for the combination of acoustic instruments in various ensembles and in a variety of genres including classical, contemporary art music, pop, and indie.

Component(s):

"Lecture"; "Studio"

MUSI 365 Electronic Instrumentation and Orchestration (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPRD 202 or EAST 205.

Description:

This course covers the fundamental elements of writing for electronic and amplified instruments and for the combination of these instruments in various ensembles and in a variety of pitch-based genres including contemporary art music, pop and indie.

Component(s):

"Lecture"; "Studio"

MUSI 366 Music Composition Essentials I (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPRD 202 or EAST 205.

Description:

This course introduces the essential concepts of musical composition, structure and form. Embracing both notation-based and sound/DAW-based approaches, it explores historical and current practices in the domains of concert, film, video game and popular music.

Component(s):

"Studio"

Notes:

- Students who have received credit for MUSI 261 may not take this course for credit.

MUSI 367 Music Composition Essentials II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 366.

Description:

This course explores more advanced concepts of musical composition, structure and form. Embracing both notation-based and sound/DAW-based approaches, it explores historical and current practices in the domains of concert, film, video game and popular music.

Component(s):

"Studio"

Notes:

- Students who have received credit for MUSI 262 may not take this course for credit.

MUSI 398 Special Topics in Music (3 credits)

Prerequisite/Corequisite:

Enrolment in a Music program is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

A seminar/workshop in an area of music that provides an opportunity for the study of specialized aspects of music outside the scope of existing courses.

Component(s):

"Lecture"; "Studio"

MUSI 399 Special Topics in Music (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A seminar/workshop in an area of music which provides an opportunity for the study of specialized aspects of music outside the scope of existing courses.

Component(s):

"Studio"

MUSI 402 Capstone Seminar and Project (3 credits)

Prerequisite/Corequisite:

Students must have completed 60 credits in the BFA Major in Music or BFA Specialization in Music Composition and Production. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

A seminar exploring various strategies, aesthetics, methodologies, and resources for creating and for realizing the final creative and/or research-oriented project (the Capstone Project), followed by a workshop and final realization/presentation of the project. Students are encouraged to work in a collaborative, cross-disciplinary, and/or multicultural fashion.

Component(s):

"Seminar"; "Studio"

Notes:

- Students who have received credit for this topic under MUSI 401 or a MUSI 498 number may not take this course for credit.

MUSI 421 Research in Music (3 credits)

Prerequisite/Corequisite:

Students must have completed 30 credits prior to enrolling.

Description:

A survey seminar based upon readings and practical applications of research in music, including psychology and neuroscience of music, historical/musicological approaches and research-creation in music.

Component(s):

"Lecture"; "Seminar"

Notes:

- This course is open to non-music students.
- Students who have received credit for this topic or "Survey of Research in Music Perception and Cognition" under a MUSI 498 number may not take this course for credit.

MUSI 463 Composing with Sound and Pitch (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 367 or EAST 305 .

Description:

This seminar/workshop focuses on advanced harmonic materials and sound objects available to the contemporary composer in order to organize pitch- based or non pitch-based musical compositions. Topics of study may include, but are not limited to: complex scales, modal and atonal harmony, polytonality and polyharmony, pitch-class sets, clusters, spectral music, noise, and microtonality. Emphasis is placed on the development of an individual style through musical creation of longer and more complex projects in the domains of concert, film, video game or popular music.

Component(s):

"Studio"

MUSI 464 Composing with Time and Space (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 367 or EAST 305 .

Description:

This seminar/workshop focuses on advanced concepts of time, space and form available to the contemporary composer in order to organize pitch- or non- pitch-based musical compositions. Topics of study may include, but are not limited to: complex time signatures, polymeters, polyrhythms, hypermeters, unmetered music, linear and non-linear time, moment form and spatialization. Emphasis is placed on the development of an individual style through musical creation of longer and more complex projects in the domains of concert, film, video game or popular music.

Component(s):

"Studio"

MUSI 4650 Composing with Rule and Choice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 367 or EAST 305 .

Description:

This seminar/workshop focuses on advanced conceptual processes available to the contemporary composer in order to organize pitch- or non- pitch-based musical compositions in non-traditional and performative ways. Topics of study may include, but are not limited to: randomness, procedural and algorithmic composition, open works, improvisation, graphical scores, scenic performances, interactive music, virtual/augmented reality and artificial intelligence. Emphasis is placed on the development of an individual style through musical creation of longer and more complex projects in the domains of concert, film, video game or popular music.

Component(s):

"Studio"

MUSI 466 Composing for Image and Media (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 367 or EAST 305 .

Description:

This seminar/workshop focuses on advanced techniques available to the contemporary composer in order to score pitch- or non-pitch-based music to accompany interactive or non-interactive media. Topics of study may include, but are not limited to: film music, video game music, scenic music, sound, art and multimedia installations. Emphasis is placed on the development of an individual style through musical creation of longer and more complex projects for media and their realization using modern software and technology.

Component(s):

"Studio"

MUSI 471 Independent Study I (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A student-designed course of study that focuses on an approved area(s) of music theory, analysis, aural perception, orchestration, and/or related disciplines, and involves consultation with an advisor.

Component(s):

"Studio"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.
- Students who have received credit for INMS 471 may not take this course for credit.

MUSI 472 Independent Study II (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A student repeating MUSI 471 registers for MUSI 472 for credit.

Component(s):

"Studio"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.
- Students who have received credit for INMS 472 may not take this course for credit.

MUSI 481 Supervised Internship I (3 credits)

Prerequisite/Corequisite:

Students must have completed 60 credits in their degree program prior to enrolling. Written permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for work completed for a recognized performance-based musical organization, or a performance project under the joint supervision of a qualified professional and a full-time faculty member.

Component(s):

"Studio"

MUSI 482 Supervised Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 481. Written permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for work completed for a recognized musical organization, or a project under the joint supervision of a qualified professional and a full-time faculty member.

Component(s):

"Studio"

MUSI 491 Special Project in Music (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

This course affords an opportunity for extensive development of a project under the direction of a faculty member. Students submit a project proposal in accordance with the regulations for admission to the specialization.

Component(s):

"Lecture"; "Studio"

Notes:

- If the special project is within the realm of performance, the student is required to participate in public performances.
- Students repeating MUSI 491 register for MUSI 492 for credit provided the subject matter is different.

MUSI 492 Special Project in Music (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 491.

Description:

A continuation of MUSI 491.

Component(s):

"Lecture"; "Studio"

Notes:

- If the special project is within the realm of performance, the student is required to participate in public performances.

MUSI 498 Special Topics in Music (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

An advanced seminar/workshop in an area of music which provides an opportunity for the study of specialized aspects of music outside the scope of existing courses.

Component(s):

"Lecture"; "Studio"

MUSI 499 Special Topics in Music (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

An advanced seminar/workshop in an area of music which provides an opportunity for the study of specialized aspects of music outside the scope of existing courses.

Component(s):

"Lecture"; "Studio"

Music History Courses

MHIS 205 Music, Sound and Society (3 credits)

Description:

This course explores the role of music and sound in human societies, examining how technological, cultural, and historical shifts have shaped musical thought and practice. Rather than a chronological survey, it focuses on key paradigm shifts, such as the impacts of notation, recording, improvisation and globalization. Drawing from classical, jazz, popular, electroacoustic and global traditions, the course provides students with fundamental tools for thinking critically about music and sound in the context of contemporary practices.

Component(s):

"Lecture"

MHIS 221 Rock and Roll and Its Roots (3 credits)

Description:

A study of the history, traditions, styles, and musical trends of rock and roll.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a MUSI 265 or MUSI 398 number may not take this course for credit.

MHIS 298 Special Topics in Music History (3 credits)

Prerequisite/Corequisite:

Enrolment in a Music program is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

A study of a selected area not available in other courses in music history.

Component(s):

"Lecture"

MHIS 305 Music from the Post-Romantic to the Present (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205.

Description:

A study of music from the early-20th century to the present. The roots of current trends in music are followed through their growth into the widely diverse styles of today.

Component(s):

"Lecture"

MHIS 306 Early Music Influences on Contemporary Creative Music Practices (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205.

Description:

This course studies in depth the influence of the Medieval, Renaissance, and early Baroque periods (broadly known as "early music") on 20th- and 21st-century composers and creative practices in music. The course includes musicological inquiry and critical analysis, as well as speculative discussion of future trends.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MHIS 301 or 302 may not take this course for credit.

MHIS 307 Common Practice Influences on Contemporary Creative Music Practices (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205.

Description:

This course studies in depth the influence of the middle to high Baroque, Rococo, Classical and Romantic periods (broadly known as "common practice") on 20th- and 21st-century composers and creative practices in music. The course includes historical, musicological, and critical analysis, as well as speculative discussion of future trends.

Component(s):

"Lecture"

Notes:

- Students who have received credit for MHIS 303 or 304 may not take this course for credit.

MHIS 315 Women in Music (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205.

Description:

A study of women's contribution to music and the perception of women's roles in music. Topics range widely through cultures globally, raising issues such as ritual and lament, spirituality, power, and social class. Readings, listening, guests, and the student's own experiences complement the lectures and discussions.

Component(s):

"Lecture"

Notes:

- Students who have received credit for this topic under a MHIS 498 number may not take this course for credit.

MHIS 331 Aesthetics and Musical Styles (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205.

Description:

A survey and exploration of thought and writings on the meaning, intent, practice, and appreciation of music and its various manifestations in different cultures or eras, aiming to provide students with the tools and background to think deeply about the meaning and direction of musical language.

Component(s):

"Lecture"

MHIS 341 Experimental and Electroacoustic Music (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205.

Description:

This course examines the development of experimental and electroacoustic music from the late-19th century to the present. Focusing on key movements, genres, and compositional approaches, it explores the evolution of electronic instruments, recording technologies, and their impact on musical creation and performance. Students study major movements such as futurism, musique concrète, serialism, electronic and computer music, minimalism, and spectralism, as well as influential non-Western traditions that have shaped contemporary sound practices.

Component(s):

"Lecture"

MHIS 398 Special Topics in Music History (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205.

Description:

A study of a selected area not available in other courses in music history.

Component(s):

"Lecture"

MHIS 471 Independent Study I (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A student-designed course of study that focuses on an approved area(s) of music history and/or related disciplines, and involves consultation with an advisor.

Component(s):

"Lecture"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

MHIS 472 Independent Study II (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A student repeating MHIS 471 registers for MHIS 472 for credit.

Component(s):

"Lecture"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

MHIS 498 Special Topics in Music History (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MHIS 205.

Description:

An advanced study of a selected area not available in other courses in music history.

Component(s):

"Lecture"

Music Performance Courses

MPER 201 Orchestra I (3 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

In this course, students participate in an external orchestral ensemble. Under the joint supervision of a qualified professional and a full-time faculty member, students engage with a recognized performance-based musical organization. Evaluation includes consultation between a full-time music professor and the ensemble director, as well as observation of rehearsals and/or performances by the full-time music professor. Students are required to participate in public performances.

Component(s):

"Practicum/Internship/Work Term"

MPER 224 Music Ensemble I (3 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

This is a performance course based on weekly rehearsals leading to a final concert, open to all singers and instrumentalists (acoustic or electronic). This course is open to diverse musical practices, which may include electronic music, classical pieces, jazz, pop, traditional music, and student compositions. Students are required toparticipate in public performances. Students in this course are expected to show foundational musical performance and collaboration skills.

Component(s):

"Studio"

MPER 233 University Choir I (3 credits)

Description:

Students enrolled in this course participate in the University Choir. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course. Auditions are held during the first class and students who do not pass the audition will be required to withdraw from the course prior to the DNE deadline.
- Students who have received credit for MPER 221 or 231 may not take this course for credit.

MPER 234 Chamber Choir I (3 credits)

Description:

Students enrolled in this course participate in the Chamber Choir. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course. Auditions are held during the first class and students who do not pass the audition are required to withdraw from the course prior to the DNE deadline.
- Students who have received credit for MPER 221 or 231 may not take this course for credit.

MPER 241 Fundamental Instrumental and Vocal Skills (3 credits)

Prerequisite/Corequisite:

Enrolment in a Music program is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course offers an intensive introduction to functional skills on a selection of three basic performing media such as keyboard, guitar, and voice. Students proficient in one of the three are offered the opportunity to mentor other students.

Component(s):

"Studio"

MPER 251 Private Study I (3 credits)

Prerequisite/Corequisite:

Enrolment in the BFA Major in Music or the BFA Specialization in Music Performance or the BFA Specialization in Music Composition and Production is required. Written permission of the School of Performance is required.

Description:

This course offers individual vocal or instrumental instruction in an approved area of music coordinated with the student's program.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for JPER 251 or MUSI 231 may not take this course for credit.

MPER 252 Private Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 251. Enrolment in the BFA Major in Music or the BFA Specialization in Music Performance or the BFA Specialization in Music Composition and Productionis required. Written permission of the School of Performance is required.

Description:

A continuation of MPER 251.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for JPER 252 or MUSI 232 may not take this course for credit.

MPER 298 Special Topics in Music Performance (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A study of a selected area not available in other courses in music performance.

Component(s):

"Studio"

MPER 301 Orchestra II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 201. Permission of the School of Performance is required.

Description:

This course is a continuation of MPER 201. In the course, students participate in an external orchestral ensemble. Under the joint supervision of a qualified professional and a full-time faculty member, students engage with a recognized performance-based musical organization. Evaluation includes consultation between a full-time Music professor and the ensemble director, as well as observation of rehearsals and/or performances by the full-time Music professor. Students are required to participate in public performances.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for this course as MPER 300 or MPER 498 or may not take this course for credit.

MPER 324 Music Ensemble II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 224.

Description:

This is a performance course based on weekly rehearsals leading to a final concert, open to all singers and instrumentalists (acoustic or electronic). This course is open to diverse musical practices, which may include electronic music, classical pieces, jazz, pop, traditional music, and student compositions. Students are required toparticipate in public performances. Students in this course are expected to show advanced musical performance and collaboration skills.

Component(s):

"Studio"

MPER 333 University Choir II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 233.

Description:

A continuation of MPER 233. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for this course as MPER 332, MPER 420 or MPER 498 may not take this course for credit.

MPER 334 Chamber Choir II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 234.

Description:

A continuation of MPER 234. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for this course as MPER 332, MPER 420 or MPER 498 may not take this course for credit.

MPER 351 Private Study III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 252. Students must be enrolled in second-year standing with 66 or fewer credits in their degree program. Enrolment in the BFA Major in Music or the BFA Specialization in Music Performance or the BFA Specialization in Music Composition and Production is required. Written permission of the School of Performance is required.

Description:

A continuation of MPER 252.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for JPER 351, MPER 331 or MPER 390 may not take this course for credit.

MPER 352 Private Study IV (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 351. Enrolment in the BFA Major in Music or the BFA Specialization in Music Performance or the BFA Specialization in Music Composition and Production is required. Written permission of the School of Performance is required.

Description:

A continuation of MPER 351.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for JPER 352, MUSI 330 or MUSI 332 may not take this course for credit.

MPER 361 Transdisciplinary Creation and Performance (3 credits)

Prerequisite/Corequisite:

Students must be in second-year standing with 66 or fewer credits remaining in their degree program. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

A workshop on radical ways of expanding contemporary music and the connection with other disciplines (dance, theatre, film, architecture, biology, engineering, and more), through hands-on experimentation, creation, and performance with interdisciplinarity and transdisciplinarity as one of the core values.

Component(s):

"Studio"

MPER 390 Advanced Private Study I (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: MPER 251 and MPER 252. Enrolment in the Specialization in Music Performance is required. Written permission of the School of Performance is required.

Description:

This course offers intensive vocal or instrumental instruction for students specializing in performance. A juried examination is required.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for JPER 351, JPER 352, MPER 351, MPER 352, or MUSI 331, 332 may not take this course for credit.

MPER 398 Special Topics in Music Performance (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A study of a selected area not available in other courses in music performance.

Component(s):

"Studio"

MPER 399 Special Topics in Music Performance (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A study of a selected area not available in other courses in music performance.

Component(s):

"Studio"

MPER 401 Orchestra III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 301. Written permission of the School of Performance is required.

Description:

This course is a continuation of MPER 301. In the course, students participate in an external orchestral ensemble. Under the joint supervision of a qualified professional and a full-time faculty member, students engage with a recognized performance-based musical organization. Evaluation includes consultation between a full-time Music professor and the ensemble director, as well as observation of rehearsals and/or performances by the full-time Music professor. Students are required to participate in public performances.

Component(s):

"Practicum/Internship/Work Term"

MPER 424 Music Ensemble III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 324.

Description:

This is a performance course based on weekly rehearsals leading to a final concert, open to all singers and instrumentalists (acoustic or electronic). This course is open to diverse musical practices, which may include electronic music, classical pieces, jazz, pop, traditional music, and student compositions. Students are required toparticipate in public performances. Students in this course are expected to show superior musical performance and collaboration skills and assume leadership roles in the ensemble.

Component(s):

"Studio"

MPER 433 University Choir II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 333.

Description:

A continuation of MPER 333. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.

- Students who have received credit for this course as MPER 420, MPER 432, or MPER 498 may not take this course for credit.

MPER 434 Chamber Choir III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 334.

Description:

A continuation of MPER 334. Students are required to participate in public performances.

Component(s):

"Studio"

Notes:

- This is a full-year course.
- Students who have received credit for this course as MPER 420, MPER 432, or MPER 498 may not take this course for credit.

MPER 451 Private Study V (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 352. Students must have completed 60 credits in their degree program prior to enrolling. Enrolment in the BFA Specialization in Music Composition and Production is required. Written permission of the School of Performance is required

Description:

A continuation of MPER 352.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for JPER 451, MPER 490 or MUSI 431 may not take this course for credit.

MPER 452 Private Study VI (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 451. Enrolment in the BFA Specialization in Music Composition and Production is required. Written permission of the School of Performance is required.

Description:

A continuation of MPER 451.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for JPER 452, MUSI 430 or 432 may not take this course for credit.

MPER 471 Independent Study I (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A student-designed course of study that focuses on an approved area(s) of performance practice, performance theory/analysis, pedagogy, and/or related disciplines, and involves consultation with an advisor. When appropriate, the study may include a demonstration/performance.

Component(s):

"Studio"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

MPER 472 Independent Study II (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A student repeating MPER 471 registers for MPER 472 for credit.

Component(s):

"Studio"

Notes:

- Students may count a maximum of nine credits in independent studies towards their degree program.

MPER 481 Supervised Internship I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Major in Music is required. Students must have completed 60 credits in their degree program prior to enrolling. Written permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for work completed for a recognized performance-based musical organization, or a project under the joint supervision of a qualified professional and a full-time faculty member.

Component(s):

"Studio"

MPER 482 Supervised Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 481. Written permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for work completed for a recognized performance-based musical organization, or a project under the joint supervision of a qualified professional and a full-time faculty member.

Component(s):

"Studio"

MPER 490 Advanced Private Study II (6 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPER 351, MPER 352 or MPER 390. Enrolment in the Specialization in Music Performance is required. Students must be in third-year standing with 33 or fewer credits remaining in their degree program. Written permission of the School of Performance is required.

Description:

A continuation of MPER 390. An approved public recital may be substituted for the juried examination.

Component(s):

"Studio"; "Private Studies"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students are required to assume part of the cost of private lessons.
- Students who have received credit for JPER 451, JPER 452 or MPER 451, MPER 452 may not take this course for credit.

MPER 498 Special Topics in Music Performance (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A seminar/workshop in performance. Selected problems in the development of performance skills. The areas covered are, whenever possible, determined by the specific interests of the students. Topics in any given year may include technique, practice, style, interpretation, accompaniment, ensemble, teaching children, the adult student.

Component(s):

"Studio"

MPER 499 Special Topics in Music Performance (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

A seminar/workshop in performance. Selected problems in the development of performance skills. The areas covered are, whenever possible, determined by the specific interests of the students. Topics, in any given year, may include technique, practice, style, interpretation, accompaniment, ensemble, teaching children, the adult student.

Component(s):

"Studio"

Music Production Courses

MPRD 201 Music Production Fundamentals I (3 credits)

Description:

This is a seminar/workshop introducing the foundational skills and practices of music production, including recording, mixing, audio processing, and using digital audio workstations (DAWs). Students explore these concepts through hands-on creation projects and analysis of popular songs and electronic music tracks from a variety of styles and cultures.

Component(s):

"Studio"

MPRD 202 Music Production Fundamentals II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPRD 201.

Description:

This is a seminar/workshop reinforcing the foundational skills and practices of music production, including spatialization, advanced audio processing, mastering and advanced usage of digital audio workstations (DAWs). Students explore these

concepts through hands-on creation projects and analysis of popular songs and electronic music tracks from a variety of styles and cultures.

Component(s):

"Studio"

MPRD 398 Special Topics in Music Production (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MPRD 202 or EAST 205.

Description:

This course provides an opportunity for the study of specialized aspects of music production outside the scope of existing courses.

Component(s):

"Studio"

MPRD 498 Special Topics in Music Production (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: MUSI 367 or EAST 305.

Description:

This course provides an opportunity for the study of advanced specialized aspects of music production outside the scope of existing courses.

Component(s):

"Studio"

Theatre Courses

Quick Links

Acting for the Theatre Courses

Performance Creation Courses

Scenography Courses

Acting for the Theatre Courses

ACTT 201 Introduction to Acting: Discovering Play (3 credits)

Description:

This course emphasizes the development of imagination and physical expression, including the basics of improvisation, the playing intention, and the group ensemble experience working towards presentation.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in the Specialization in Acting for the Theatre, Specialization in Performance Creation, or the Specialization in Scenography may not take this course for credit.

ACTT 202 Introduction to Acting: Cultivating Presence (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 201. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course builds on skills previously acquired in the area of playing intention and group ensemble, emphasizing the development of skills pertaining to language, character, and text.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in the Specialization in Acting for the Theatre, Specialization in Performance Creation, or the Specialization in Scenography may not take this course for credit.

ACTT 203 Introduction to Acting: Developing the Actor's Presence (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: ACTT 202 . If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course builds on skills previously acquired in the area of playing intention, ensemble, character, and text, to emphasize the development of skills related to scene dynamics and relationships with audiences.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in the Specialization in Acting for the Theatre, Specialization in Performance Creation or the Specialization in Scenography, may not take this course for credit.
- Students who have received credit for this topic under an ACTT 298 number may not take this course for credit.

ACTT 209 The Engaged Theatre Artist (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Acting for the Theatre, Specialization in Performance Creation, or the Specialization in Scenography is required. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

This studio course is designed to bring together students from all of the Theatre specializations to explore basic skills and principles of performance creation and acting for the theatre. The course combines theoretical readings and practical explorations relating to diverse perspectives on an artist's role in society.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students who have received credit for PERC 209 may not take this course for credit.

ACTT 210 Scene Study: Realistic Texts (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: ACTT 209 or PERC 209. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This studio course places increased emphasis on movement, voice, and text interpretation, working in a realistic style of physical actions such as Stanislavski's work on embodiment. The course offers foundational principles for creating a role, with focus on contemporary and early modern realistic dramatic texts.

Component(s):

"Studio"; "Laboratory"

ACTT 211 Voice and Movement for the Stage I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Acting for the Theatre is required. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

This studio course cultivates the expressive potential of the actor's instrument: the body, voice, and imagination. It aims to hone the basic tools of physical and of vocal expression. Students practise applying these tools in études, poetry performances, and scenes.

Component(s):

"Studio"; "Laboratory"

ACTT 231 Ensemble I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Acting for the Theatre is required. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

This studio class covers the elements of preparation for theatrical presentation with emphasis on the co-operative nature of theatre. Studio work includes ongoing movement and voice training, and instruction in sensory awareness, spatial relationships, improvisational techniques, and performer-audience relationships.

Component(s):

"Studio"; "Laboratory"

ACTT 298 Special Topics in Acting (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

This course provides opportunities for studies in selected styles or modes of theatre performance.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

ACTT 299 Special Topics in Acting (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

This course provides opportunities for studies in selected styles or modes of theatre performance.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

ACTT 321 Movement for the Stage II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 211. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course emphasizes movement improvisation and composition techniques intended to develop students' commitment to physical expression of presence, spontaneity, and ensemble play.

Component(s):

"Studio"

ACTT 325 Voice for the Stage II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 211. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

Building on the voice and speech skills previously introduced, this course emphasizes embodiment, self-awareness, and freedom of breath; authentic, healthy, and expressive vocal use; and clarity and conviction in speaking text.

Component(s):

"Studio"

ACTT 331 Scene Study: Heightened Texts (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: ACTT 209. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

In this studio course, students examine, develop, and refine their individual processes for analyzing, exploring, rehearsing, and performing scenes from dramatic texts, with focus on non-realistic genres of text, such as existentialism, absurdism or expressionism.

Component(s):

"Studio"

ACTT 332 Improvisation (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTT 321 and ACTT 325. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course offers a thorough introduction to improvisation as a method of creation for the stage, using skills such as mask, commedia dell'arte, or the techniques of Keith Johnstone.

Component(s):

"Studio"

ACTT 355 Voice for the Stage III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 325. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course emphasizes vocal range in every sense. Students learn to perform a broad variety of pitches, intonation patterns, timbres, ways of articulating, and theatrical styles, developing the voice's resonance, ease, power, and health. The course develops students' fundamental proficiency with phonetics as applied towards speech work and dialects, and their ability to voice distinct, vivid characters.

Component(s):

"Studio"

ACTT 358 Movement for the Stage III (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 321. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course provides a foundational exploration of a particular movement-based performance technique, method, or approach, such as Decroux, Laban, Lecoq, theatrical Biomechanics, or somatic work.

Component(s):

"Studio"; "Laboratory"

ACTT 360 Ensemble II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 231. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

This studio course focuses on skill development and performance of a particular theatrical genre, such as Elizabethan verse, red-nose clown, or Brechtian epic theatre.

Component(s):

"Studio"; "Laboratory"

ACTT 362 Laban for the Actor (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTT 321 and ACTT 325. If prerequisites are not satisfied, permission of the Program Coordinator is required.

Description:

Building on previously acquired skills in voice and movement, this course aims to challenge and enrich the creative process of actors and stretch their range, using Laban's effort actions to investigate movement, space (internal and external), voice, text, character archetypes, story, and action.

ACTT 370 Clown for the Actor (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTT 321 and ACTT 325. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

Building on previously acquired skills in movement and voice, this course focuses on the development of clown characters and situations, with focus on Michel Dallaire's "Jeu Clownesque" approach to clown training and performance.

Component(s):

"Studio"

ACTT 372 Stage Combat (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 321. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

Building on previously acquired movement skills, this course focuses on the development of unarmed and armed stage combat skills for the actor.

Component(s):

"Studio"

ACTT 398 Special Topics in Acting (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 211. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course provides opportunities for studies in selected styles or modes of theatre performance.

Component(s):

"Studio"; "Laboratory"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

ACTT 399 Special Topics in Acting (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

This course provides opportunities for studies in selected styles or modes of theatre performance.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

ACTT 432 Rasaboxes (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTT 321 and ACTT 325. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

Building on the skills developed in voice and movement classes, this studio course provides an intensive introduction to the performance of emotion, based on the Rasaboxes training as developed by Richard Schechner.

Component(s):

"Studio"

ACTT 435 Creation Project (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FFAR 248 and FFAR 249, or FFAR 250; PERC 211, PERC 212. Permission of the School of Performance is required.

Description:

This performance course offers supervised application of theatrical skills in the collaborative creation of a public production.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students enrolled in this course are required to pay a materials fee.

ACTT 436 Contemporary Text Project (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FFAR 248 and FFAR 249, or FFAR 250; PERC 211, PERC 212. Permission of the School of Performance is required.

Description:

This performance course offers supervised application of theatrical skills in the collaborative realization of a public production of a contemporary text from the worldwide body of dramatic literature.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students enrolled in this course are required to pay a Theatre materials fee.

ACTT 439 Mainstage Contemporary Text Project (6 credits)

Prerequisite/Corequisite:

The following must be completed previously: FFAR 248 and FFAR 249 , or FFAR 250; PERC 211 , PERC 212 . Permission of the School of Performance is required.

Description:

This production course introduces students to a specific theatre director's approach to Text and Performance, thereby enriching students' acting abilities, vocabulary, and scope of performance and direction. Students examine in depth a large-scale contemporary dramatic text in order to access its complexity and stylistic singularity. Students stage, rehearse and perform this text in front of an audience in a production which integrates stage design elements.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in this course are required to pay a Theatre materials fee.

ACTT 440 Supervised Acting Performance Project (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FFAR 248 and FFAR 249, or FFAR 250; PERC 211, PERC 212. Permission of the School of Performance is required.

Description:

This studio course provides students with the opportunity to work in self-selected teams to develop short projects in response to a given theme for performance in a festival format. The course involves working with limited resources with an emphasis on exploration of acting processes. This course has a public performance outcome.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students enrolled in this course are required to pay a materials fee.
- Students may be required to be present for additional hours related to technical and/or dress rehearsals as stipulated in the course syllabus.

ACTT 450 Advanced Acting Studio (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTT 321, ACTT 325.

Description:

Building on the skills developed in movement and voice for the stage, this studio course provides advanced students with the opportunity to apply their skills to text study and character development in an intensive environment without the pressure of creating a public performance. The course may introduce a variety of acting styles to promote further skill development.

Component(s):

"Studio"; "Laboratory"

ACTT 455 Dialects for the Actor (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 325. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Building on previously acquired skills in voice training, this course provides an advanced exploration of dialect work for the actor.

Component(s):

"Studio"; "Laboratory"

ACTT 456 Singing for the Actor (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: ACTT 325 . If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course aims to improve students' technical and interpretive skills as singers, increase their confidence, and enrich their expressive abilities as actors through the exploration of singing.

Component(s):

"Studio"

ACTT 458 Movement for the Stage IV (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 321. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Building on previously acquired skills, this course provides an advanced exploration of a particular movement-based performance technique, method, or approach, such as Decroux, Laban, Lecoq, Theatrical Biomechanics, or somatic work.

Component(s):

"Studio"

ACTT 460 Classical Text Project (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FFAR 248 and FFAR 249, or FFAR 250; PERC 211, PERC 212. Permission of the School of Performanceis required.

Description:

This performance course offers supervised application of theatrical skills in the collaborative realization of a public production of an iconic text from the worldwide body of dramatic literature, written by a widely recognized playwright.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students enrolled in this course are required to pay a materials fee.

ACTT 463 Mainstage Classical Text Project (6 credits)

Prerequisite/Corequisite:

The following must be completed previously; FFAR 248 and FFAR 249 , or FFAR 250; PERC 211 , PERC 212 . Permission of the School of Performance is required.

Description:

This production course introduces students to a specific theatre director's approach to Text and Performance, thereby enriching students' acting abilities, vocabulary, and scope of performance and direction. Students examine in depth a large-scale classical dramatic text in order to access its complexity and stylistic singularity. Students stage, rehearse and perform this text in front of an audience in a production which integrates stage design elements.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in this course are required to pay a Theatre materials fee.

ACTT 465 The Actor's Profession (3 credits)

Prerequisite/Corequisite:

Students must complete 48 credits in the Specialization in Acting for the Theatre prior to enrolling. Permission of the Program Coordinator is required.

Description:

This studio course involves the development of audition technique, on camera technique, interview skills, and other career-oriented skills. The emphasis is on crystallizing each student's unique theatrical identity, while solidifying collaborative skills

Component(s):

"Studio"; "Laboratory"

ACTT 480 Designing an Acting Workshop (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

This studio course provides students with the opportunity to design a course framework under the guidance of the instructor that includes curriculum, implementation, and assessment for students. Students develop a philosophy of teaching and learning through sustained reflection of their own creative process and selected readings.

Component(s):

"Studio"

ACTT 481 Conducting an Acting Workshop (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 480. Written permission of the School of Performance is required.

Description:

This advanced studio course builds on the skills acquired in ACTT 480 to focus on the development of skills required in conducting an acting workshop: active observation, instructional strategies to deliver the curriculum, and assessment.

Component(s):

"Studio"; "Laboratory"

ACTT 498 Special Topics in Acting (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTT 321 and ACTT 325. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course provides opportunities for studies in selected styles or modes of theatre performance.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

ACTT 499 Special Topics in Acting (6 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

This course provides opportunities for studies in selected styles or modes of theatre performance.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

Performance Creation Courses

PERC 209 The Engaged Theatre Artist (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Acting for the Theatre, Specialization in Performance Creation, or the Specialization in Scenography is required. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

This studio course is designed to bring together students from all of the Theatre specializations to explore basic skills and principles of performance creation and acting for the theatre. The course combines theoretical readings and practical explorations relating to diverse perspectives on an artist's role in society.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students who have received credit for ACTT 209 may not take this course for credit.

PERC 210 Performance Creation Studio I: Theory and Method (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: ACTT 209 or PERC 209. If prerequisites are not satisfied, permission of the Program Coordinator is required.

Description:

This course introduces students to a wide range of theories and techniques for creating socially engaged, collaborative and community-based performance works. Forms of audience/performer relations are examined in written and embodied projects.

Component(s):

"Studio"; "Laboratory"

PERC 211 Theatre and the City (3 credits)

Prerequisite/Corequisite:

Enrolment in a Theatre program is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This lecture course offers an introduction to the role theatre and urban performance spaces have played in shaping the culture of cities. Students learn about a variety of theatre architectures, while partaking in field trips, visiting a variety of Montreal performance spaces, encountering professional theatre makers, and attending live performances. Individual assignments and a collaboration project with other students across the Department's specialization programs are required.

Component(s):

"Lecture"; "Laboratory"

PERC 212 Introduction to Dramaturgy (3 credits)

Prerequisite/Corequisite:

Enrolment in Theatre program is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This lecture course offers an introduction to the multi-faceted role of dramaturgy in contemporary theatre practice including production dramaturgy and new play development. This foundational course places an emphasis on script analysis including elements such as structure, semiotics, genre, and style.

Component(s):

"Lecture"

PERC 298 Special Topics in Performance Creation (3 credits)

Prerequisite/Corequisite:

Written permission of the School of Performance is required.

Description:

The study of specialized aspects of performance creation.

Component(s):

"Lecture"; "Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PERC 303 Theatre History and Theory to 1800 (3 credits)

Prerequisite/Corequisite:

Students must have completed 18 credits in a Theatre program prior to enrolling. Enrolment in a Theatre program is required.

Description:

This lecture course provides a framework for the analysis of theory, history, and practice up until the 19th century. Students are encouraged to critically approach different models of writing and reading in theatre history. The course examines both literary and non-literary genres of theatre and performance, as well as the theatre's ritual functions in various times and cultures.

Component(s):

"Lecture"

PERC 306 Theatre History and Theory, 1800 to the Present (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits prior to enrolling.

Description:

This lecture course engages with theatre practices and history as art forms and social phenomena from the 19th century to contemporary times. Students are exposed to key theatre historical and theoretical texts within the context of contemporary critical theory. The course problematizes the notion of the canon as it has been challenged by the rise of feminism, post-colonial studies, and queer theory, among other lenses.

Component(s):

"Lecture"

PERC 311 Directing I (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits prior to enrolling. Enrolment in a Theatre program is required.

Description:

This studio course introduces students to basic organizational, analytical, and leadership skills for stage direction. Course content focuses primarily on applied script analysis and beginning storytelling techniques, supported by the study of key figures in directing from the 20th and 21st centuries. The final assignment may consist of the preparation and direction of a short scene with student actors.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students may be required to be present for additional hours related to technical and/or dress rehearsals as stipulated in the course syllabus.

PERC 318 Playwriting I (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits prior to enrolling. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This studio course focuses on building skills in writing for the stage. A variety of play formats and styles are studied, from traditional to modern plays. The class may work from a common theme or form; for example, writing adaptations from another genre. Students write their own one-act play throughout the course, and receive dramaturgical and workshop feedback.

Component(s):

"Studio"

PERC 321 Introduction to Performance Studies (3 credits)

Prerequisite/Corequisite:

Students must complete 18 credits prior to enrolling. If prerequisites are not satisfied, permission of the Program Coordinator is required.

Description:

This seminar course introduces key texts in the interdisciplinary field of performance studies, and investigates a broad range of sites and practices from the realms of theatre, dance, and other cultural forms, from avant-garde to popular, aesthetic to political.

Component(s):

"Seminar"

PERC 322 Gender and Sexuality in Performance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PERC 321. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This seminar course provides a grounding in feminist and queer theory as critical tools for the analysis and creation of performance. The performance of gendered and queer identities is considered, as presented in everyday life and on stage.

Component(s):

"Seminar"

PERC 323 Post-Colonial Theory and Practice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PERC 321. If prerequisites are not satisfied, permission of the Program Coordinator is required.

Description:

This seminar course in post-colonial theory provides students with flexible methodologies for examining the impact of colonialism on societies and cultures through the study of dramatic and other forms of literature and expression. The course covers key concepts such as hegemony, exoticism, identity, alterity, hybridity, and resistance, as these terms circulate within Canada and internationally.

Component(s):

"Seminar"

PERC 324 Queer Theatre and Performance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PERC 321. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This seminar course analyzes historical and contemporary examples of lesbian/gay/bisexual/transgender/two-spirited and queer theatre and performance. The course examines how the stage has been, and continues to be, a necessary public forum for queer political activism and identity politics, and offers a comprehensive overview of key concerns in sexuality studies in Canada and internationally.

Component(s):

"Seminar"

PERC 350 Somatic Inquiry (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: ACTT 209 or PERC 209 . If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This studio-seminar course trains students in somatic practices as foundational tools of embodiment for performance creation. Topics include an introduction to anatomy, an overview of the history of artists working with somatic practices, and exercises in the creation of somatic works engaging with current themes, such as climate, ability, and agency.

Component(s):

"Seminar"; "Studio"

PERC 351 Community Arts: The Art of Engagement (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PERC 209. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

This studio course introduces the art of engagement in theatre and performance creation practices. Students gain skills and knowledge in areas such as arts-based research, interview techniques, alliances, partnerships, participatory evaluation methods, and analysis of aesthetic and ethical concerns. The course includes practical explorations of various approaches to creating socially engaged theatre and performance.

Component(s):

"Studio"

PERC 354 Popular Theatre (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PERC 321. If prerequisites are not satisfied, permission of the Program Coordinator is required.

Description:

This seminar course examines the principles on which popular theatre forms are based, including a survey of objectives and approaches of theatre companies around the world engaged in activism, performance-based pedagogy, and the creation of opportunities for social change. This course provides a cross-cultural overview of founders, practitioners, and theorists. Topics are approached through practical learning in specific techniques, and application of critical lenses for analysis and assessment. Students may also prepare a work of popular theatre.

Component(s):

"Seminar"

PERC 355 The Arts of Listening and Interviewing (3 credits)

Description:

This hybrid studio/seminar course explores the arts of listening and interviewing as methods for performance creation. Students will develop listening, interviewing, and related skills relevant to the development of original performances informed by real-life narratives. The course prepares students to understand and work with ethics review guidelines in artistic and research-creation contexts and provides students with working knowledge of creative approaches to conduct interviews, using innovative modes of listening.

Notes:

- Students who have received credit for PERC 498: Creative Approaches to Listening and Interviewing may not take this course for credit.

PERC 356 Puppetry and Performing Object Workshop (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 209 or PERC 209. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This studio course introduces students to basic theories, practices, and history of performance with puppets and performing objects. It combines building, basic manipulation, and show-making techniques. Students work on short scenes for performance.

Component(s):

"Studio"; "Laboratory"

PERC 384 Performance Creation Studio II: Collaborative Practice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PERC 210 . If prerequisites are not satisfied, permission of School of Performance is required.

Description:

This course focuses on making collaborative performance works. Students generate and rehearse original material inspired by existing fictional or non-fiction texts, participants' life experience, and/or contemporary social issues/realities.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students may be required to be present for additional hours related to technical and/or dress rehearsals as stipulated in the course syllabus.

PERC 386 Interdisciplinary Approaches to Performance Creation (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: ACTT 209 or PERC 209. Students must complete 24 credits in a Theatre program prior to enrolling. If prerequisites are not satisfied permission of the Program Coordinator is required.

Description:

This studio course emphasizes interdisciplinary creative inquiry as the basis for performance creation. In-class practical exercises open up possibilities for creation of original work through experimentation. Small-scale projects will be presented in class throughout the term.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students may be required to be present for additional hours related to technical and/or dress rehearsals as stipulated in the course syllabus.

PERC 390 Performance Creation Studio (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FFAR 248 and FFAR 249, or FFAR 250; PERC 211, PERC 212. Permission of the School of Performance is required.

Description:

This course involves students working in ensemble on all aspects of the study and production of an existing theatre script, or the creation and production of an original piece of theatre engaging with a particular event, issue, or topic. This course has a public performance outcome. This course normally takes place over one term.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students enrolled in this course are required to pay a materials fee.
- Students may be required to be present for additional hours related to technical and/or dress rehearsals as stipulated in the course syllabus. Specific title, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PERC 398 Special Topics in Performance Creation (3 credits)

Description:

A seminar course exploring a topic in performance creation.

Component(s):

"Seminar"; "Studio"; "Laboratory"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PERC 399 Special Topics in Performance Creation (6 credits)

Description:

A seminar or studio course exploring a topic in performance creation.

Component(s):

"Seminar"; "Studio"; "Laboratory"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PERC 405 Independent Study I (3 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

A student-proposed research project supervised by a full-time faculty member.

Component(s):

"Lecture"

PERC 408 Supervised Internship I (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits in the Specialization in Acting for the Theatre, Specialization in Performance Creation or the Specialization in Scenography prior to enrolling. Permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for work completed for a recognized theatre company, or for a project under the joint supervision of a qualified professional and a full-time Theatre faculty member.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for SCEN 408 or DFTT 408 may not take this course for credit.

PERC 409 Supervised Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PERC 408. Permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for work completed for a recognized theatre company, or for a project under the joint supervision of a qualified professional and a full-time Theatre faculty member.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for SCEN 409 or DFTT 409 may not take this course for credit.

PERC 412 Expanded Dramaturgical Practice (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PERC 212. Students must have completed 30 credits in a Theatre program prior to enrolling. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

This advanced hybrid seminar-studio course investigates expanded and interdisciplinary approaches to dramaturgy, focusing on post-dramatic performance, movement and sound arts, new media in performance, and performance in public space.

Component(s):

"Seminar"; "Studio"

PERC 415 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PERC 405. Written permission of the School of Performance is required.

Description:

This course provides students with the opportunity to design and implement an independent project in Performance Creation, supervised by a full-time faculty member.

Component(s):

"Lecture"

PERC 421 Socially Engaged and Activist Performance (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits prior to enrolling.

Description:

This seminar course involves reading, discussing, and writing about selected plays and performance projects within the context of their intentional engagement with social, cultural, and/or political exigencies. Readings examine the theory and practice of approaches and genres selected from community arts, oral history performance, street theatre, performance art, and political theatre.

Component(s):

"Seminar"

PERC 422 Indigenous Storytelling (3 credits)

Prerequisite/Corequisite:

Students must complete 24 credits in a Theatre program prior to enrolling. If prerequisites are not satisfied, permission of the Program Coordinator is required.

Description:

This studio course introduces students to foundational Indigenous stories as an exploration into worldview and philosophy, utilizing a variety of Indigenous performance methods to express these stories. Students will present their individual relationships to the material through a performative retelling.

Notes:

- Students who have received credit for this topic under PERC 398 may not take this course for credit.

PERC 462 Playwriting II (3 credits)

Prerequisite/Corequisite:

The following must be completed previously: PERC 318. Students must have completed 30 credits in the Specialization in Performance Creation prior to enrolling.

Description:

This advanced studio course focuses on the further development of the creator's voice taught in Playwriting I. Students work on an original performance text to be developed through a workshop process which ends in an invited staged reading in the School of Performance.

Component(s):

"Studio"

PERC 464 Oral History Performance (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: ACTT 209 or PERC 209. Students must have completed 30 credits in a Theatre program prior to enrolling. If prerequisites are not satisfied, written permission of the School of Performance is required.

Description:

This advanced hybrid seminar-studio course explores key ethical, dramaturgical, and performative dimensions of the emergent field of oral history performance within the context of a range of forms that might include verbatim and documentary forms, applied theatre, playback theatre, community-engaged performance, storytelling, performance art and digital media. This class has a public performance component.

Component(s):

"Seminar"

Notes:

- Students who have received credit for this topic under a PERC 398 number may not take this course for credit.

PERC 471 Directing II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: PERC 311. Students must have completed 30 credits in a Theatre program prior to enrolling.

Description:

This studio course builds on already developed skills and knowledge while engaging with additional styles of theatre making, such as director-led creation, postmodern performance, documentary, or verbatim theatre. The final assignment involves directing a short work. This course has a studio performance outcome.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in this course are required to pay a materials fee.
- Students may be required to be present for additional hours related to technical and/or dress rehearsals as stipulated in the course syllabus.

PERC 486 Site-specific Performance Practice (3 credits)

Prerequisite/Corequisite:

Students must have completed 30 credits in a Theatre program. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This advanced studio course introduces students to interdisciplinary methods for developing solo or collaborative site-specific works. Contemporary topics and a broad range of theory and practices from the realms of theatre, sound, visual, and spatial arts are addressed to stimulate conceptual reflection on methods for realizing site-specific works. This course has a site-specific public project outcome.

Component(s):

"Studio"; "Laboratory"; "Field Studies"

Notes:

- Students enrolled in this course are required to pay a materials fee.
- Students may be required to be present for additional hours related to technical and/or production-related rehearsals as stipulated in the course syllabus.
- Students who have received credit for this topic under a PERC 498 number may not take this course for credit.

PERC 488 Short Works Festival (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FFAR 248 and FFAR 249, or FFAR 250; PERC 211, PERC 212. Permission of the School of Performance is required.

Description:

This course encourages students to explore methods for conceiving and creating a new theatre work in relation to contemporary topics and/ or subject matter. The principle activity of the course is to create, rehearse and perform a new contemporary short theatrical work with student-selected subject matter. The course will prepare students to consider the storyteller in response to our current world. Students will experience working in a festival format and will consider a collaborative multi-disciplinary approach to creating new work.

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students enrolled in this course are required to pay a materials fee.
- Specific project titles, and additional prerequisites if required, are stated in the Undergraduate Class Schedule. Students may be required to be present for additional hours related to technical and/or dress rehearsals as stipulated in the course syllabus.

PERC 490 Performance Creation Mainstage (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: FFAR 248 and FFAR 249 , or FFAR 250; PERC 211, PERC 212. Permission of the School of Performance is required.

Description:

This course involves students working in ensemble on all aspects of the study and production of an existing theatre script, or the creation and production of an original piece of theatre engaging with a particular event, issue, or topic. This course has a public performance component. This course normally takes place over two terms.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students enrolled in this course are required to pay a materials fee.
- Extra time may be required for technical or production-related rehearsals. Specific title, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PERC 496 Performance Creation Field School (3 credits)

Prerequisite/Corequisite:

Students must complete 24 credits at the university level prior to enrolling. Permission of the Program Coordinator is required.

Description:

This course offers hands-on, experiential learning in performance creation or performance studies via faculty-led travel to and residency at a festival, conference, exhibition or partner institution either locally, nationally, or internationally

Notes:

- Students enrolled in this course are required to defray some or all costs of the field school.
- Students who have received credit for a field school under another course code, including PERC 398 and PERC 498 , may be considered to repeat this course for credit provided the subject matter is different. Students will have to apply for this course by submitting required documentation.

PERC 498 Special Topics in Performance Creation (3 credits)

Description:

A studio course exploring a topic in performance creation.

Component(s):

"Seminar"; "Studio"; "Laboratory"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

PERC 499 Special Topics in Performance Creation (6 credits)

Description:

A seminar or studio course exploring a topic in performance creation.

Component(s):

"Seminar"; "Studio"; "Laboratory"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

Scenography Courses

SCEN 209 Scenography I (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Acting for the Theatre, Specialization in Performance Creation or the Specialization in Scenography, or permission of the School of Performance is required.

Description:

This course offers an examination of the scenographic design process, including the role of designers. Students study the conception, communication, and realization of design ideas in lectures and labs.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for DFTT 209 may not take this course for credit.

SCEN 210 Scenography II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCEN 209 or DFTT 209. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This course offers an advanced examination of the scenographic design process, including the role of designers. Students study the conception, communication, and realization of design ideas in lectures and labs. This course develops the students' skills in developing and communicating scenographic designs.

Component(s):

"Lecture"; "Laboratory"

Notes:

- Students who have received credit for DFTT 210 may not take this course for credit.

SCEN 214 Drawing for Scenography (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Scenography is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study drawing and drafting techniques for the stage with emphasis on observation and rendering. They examine specific drawing methods to efficiently communicate design ideas. The focus is on basic drawing and drafting techniques using traditional and modern media.

Component(s):

"Studio"

Notes:

- Students who have received credit for DFTT 211 or for this topic under a DFTT 298 number may not take this course for credit.

SCEN 271 Introduction to Elements of Production (3 credits)

Prerequisite/Corequisite:

Enrolment in the Specialization in Acting for the Theatre, Specialization in Performance Creation or the Specialization in Scenography is required. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students are introduced to theories and practices of stage management, production management, and technical direction. They develop technical skills in scenery, properties, and costumes, as well as lighting, video and sound. By completing specific assignments related to public performances, students are introduced to the language, tools, and techniques used in rehearsal halls, shops, and backstage.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in this course are required to pay a materials fee.
- Students who have received credit for DFTT 212 or for this topic under a DFTT 298 number may not take this course for credit.

SCEN 298 Special Topics in Scenography (3 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

Specialized aspects of scenography design are studied in this course.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

SCEN 299 Special Topics in Scenography (6 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

Specialized aspects of scenography design are studied in this course.

Component(s):

"Studio"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

SCEN 304 Introduction to Designer's Studio: Conception (3 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

Students apply their design knowledge to special projects, which may include portfolio development or the design of productions.

Component(s):

"Studio"; "Laboratory"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

SCEN 305 Independent Study I (3 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

This course provides students with the opportunity to design and implement an independent project supervised by a full-time faculty member.

Component(s):

"Independent Study"

SCEN 314 Lighting Design Conception (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, and SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study lighting design for the performing arts with emphasis on imaginative and analytical processes of developing and communicating lighting design ideas. Students participate in lectures, studios, and projects, and examine theories, aesthetics, and conventions of lighting design.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students who have received credit for DFTT 311 may not take this course for credit.

SCEN 315 Lighting Design Realization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, and SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study lighting for the performing arts with emphasis on analysis, development, and execution of design ideas. Students participate in lectures and studios, and examine lighting as a practical, expressive, and interpretive form. The focus is on basic realization methods, for example, hanging and focusing lighting equipment. Students have scheduled access to a theatre space for the duration of this course.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students who have received credit for DFTT 315 may not take this course for credit.

SCEN 324 Costume Design Conception (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, and SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study costume design for the performing arts with emphasis on imaginative and analytical processes of developing and communicating costume design ideas. Students participate in lectures, studios, and projects, and examine theories, aesthetics, and conventions of costume design.

Component(s):

"Studio"

Notes:

- Students who have received credit for DFTT 321 may not take this course for credit.

SCEN 325 Costume Design Realization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, and SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study costuming for the performing arts with emphasis on analysis, development, and execution of design ideas. Students participate in lectures and studios and examine costuming as a practical, expressive, and interpretive form. The

focus is on basic realization methods, for example, patterning and draping. Students have scheduled access to a costume shop and dyeing facilities.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students who have received credit for DFTT 325 may not take this course for credit.

SCEN 326 Costume Accessories Realization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, and SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study costume accessory design for the performing arts with emphasis on analysis, development, and execution of design ideas. Students participate in lectures and studios and examine costume accessory design as a practical, expressive and interpretive form. The focus is on basic realization methods, for example, mask-making, millinery, and accessory construction. Students have scheduled access to a costume shop and dyeing facilities.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students who have received credit for DFTT 326 may not take this course for credit.

SCEN 327 Hair and Make-up Design (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: DFTT 209 or SCEN 209. If prerequisites are not satisfied, permission of the Program Coordinator is required.

Description:

Students study hair and make-up design for the performing arts with emphasis on analysis, development and execution of design ideas. Students participate in lectures and studios and examine hair and make-up as a practical, expressive and interpretive form. The focus is on basic theory and practice of conception, communication, and realization methods, including contouring, basic make-up application, and several of the following: scarring, burning, aging, fantasy, period, special effects. Students have scheduled access to a costume shop for lab work.

Notes:

- Students who have received credit for this topic under a DFTT Special Topic number may not take this course for credit.

SCEN 334 Set Design Conception (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, and SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study set design for the theatre with emphasis on imaginative and analytical processes of developing and communicating set design ideas. Students participate in lectures, studios, and projects to examine theories, aesthetics, and conventions of set design.

Component(s):

"Studio"

Notes:

- Students who have received credit for DFTT 331 may not take this course for credit.

SCEN 335 Set Design Realization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, and SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study stage scenery with emphasis on analysis, development, and execution of design ideas. Students participate in lectures and studios to examine scenery as a practical, expressive, and interpretive form. Focus is on basic realization methods, for example, drafting and construction. Students have scheduled access to a scene shop.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students who have received credit for DFTT 335 may not take this course for credit.

SCEN 336 Stage Properties Realization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, and SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study stage properties with an emphasis on analysis, development, and execution of design ideas. They participate in lectures and studios, and examine stage properties as a practical, expressive, and interpretive form. The focus is on basic realization methods, for example, casting, assembling, and use of materials and equipment. Students have scheduled access to a property shop.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students who have received credit for DFTT 336 may not take this course for credit.

SCEN 337 Scene Painting Realization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, and SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This studio course includes the study of the materials and technology of scene painting.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students who have received credit for DFTT 337 may not take this course for credit.

SCEN 344 Elements of Multimedia Conception (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study design with a variety of media, with an emphasis on imaginative and analytical processes. They participate in lectures and studios, and examine the theories, aesthetics, and conventions of multimedia design.

Component(s):

"Studio"

Notes:

- Students who have received credit for DFTT 341 may not take this course for credit.

SCEN 345 Elements of Multimedia Realization (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, and SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study elements of analog and digital media with an emphasis on the execution of design ideas. They participate in lectures and studios, and examine elements of multimedia as practical, expressive, and interpretive forms. The focus is on basic realization methods, for example, the installation of projection and sound equipment. Students have scheduled access to a theatre space.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students who have received credit for DFTT 345 may not take this course for credit.

SCEN 347 Exhibition Scenography (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, and SCEN 214 or DFTT 211. If prerequisites are not satisfied, permission of the Program Coordinator is required.

Description:

This studio course introduces exhibition scenography as a practical, expressive, and interpretive form. Students participate in lectures and studio work, with a focus on developing designs for exhibition hall and museum presentations. The course emphasizes communicating concepts using storyboarding, rendering, drafting and construction methods centered on the integration of artefacts, graphics, soundscapes, and live imagery.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a DFTT Special Topic number may not take this course for credit.

SCEN 360 Introduction to Public Performance Design (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTT 209 or PERC 209; SCEN 209 or DFTT 209; SCEN 210 or DFTT 210; SCEN 214 or DFTT 211; SCEN 271 or DFTT 212 or DFTT 298; FFAR 248 and FFAR 249, or FFAR 250; PERC 211, PERC 212. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students learn to collaborate with directors, other designers, and technical staff to creatively realize set, costume, lighting, properties, video, and sound designs for live performance. Students apply their design knowledge to special projects, which

may include portfolio development, an invaluable skill for all live performance creators.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in this course are required to pay a materials fee.
- Students who have received credit for DFTT 350 may not take this course for credit.

SCEN 361 Introduction to Public Performance Design (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTT 209 or PERC 209; FFAR 248 and FFAR 249 , or FFAR 250; PERC 211, PERC 212; SCEN 209 or DFTT 209; SCEN 210 or DFTT 210; SCEN 214 or DFTT 211; SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students learn to collaborate with directors, other designers, and technical staff to creatively realize set, costume, lighting, properties, video, and sound designs for live performance. Students apply their design knowledge to special projects, which may include portfolio development, an invaluable skill for all live performance creators.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in this course are required to pay a materials fee.
- Students who have received credit for DFTT 351 may not take this course for credit.

SCEN 370 Elements of Production (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTT 209 or PERC 209; FFAR 248 and FFAR 249, or FFAR 250; PERC 211, PERC 212; SCEN 209 or DFTT 209; SCEN 210 or DFTT 210; SCEN 214 or DFTT 211; SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study theories and practices of stage management, production management and technical direction. They develop technical skills in scenery, properties, and costumes, as well as lighting, video and sound. By completing specific assignments related to department public performances, students are introduced to the language, tools, and techniques used in rehearsal halls, shops, and backstage.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in this course are required to pay a materials fee.

- Students who have received credit for DFTT 370 may not take this course for credit.

SCEN 371 Elements of Production (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: ACTT 209 or PERC 209; FFAR 248 and FFAR 249, or FFAR 250; PERC 211, PERC 212; SCEN 209 or DFTT 209; SCEN 210 or DFTT 210; SCEN 214 or DFTT 211; SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

Students study theories and practices of stage management, production management, and technical direction. They develop technical skills in scenery, properties, and costumes, as well as lighting, video and sound. By completing specific assignments related to public performances, students are introduced to the language, tools, and techniques used in rehearsal halls, shops, and backstage.

Component(s):

"Studio"; "Laboratory"

Notes:

- Students enrolled in this course are required to pay a materials fee.
- Students who have received credit for DFTT 371 may not take this course for credit.

SCEN 398 Special Topics in Scenography (3 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

The study of specialized aspects of scenography.

Component(s):

"Studio"; "Laboratory"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

SCEN 399 Special Topics in Scenography (6 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

The study of specialized aspects of scenography.

Component(s):

"Studio"; "Laboratory"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

SCEN 404 Advanced Designer's Studio: Conception (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCEN 304 or DFTT 301, and permission of the School of Performance is required.

Description:

Students apply their design knowledge to special projects, which may include portfolio development or the design of productions.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.
- Students who have received credit for DFTT 401 may not take this course for credit.

SCEN 405 Independent Study II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCEN 305 or DFTT 305, and permission of the School of Performance is required.

Description:

This course provides students with the opportunity to design and implement an independent project, supervised by a full-time faculty member.

Component(s):

"Independent Study"

Notes:

- Students who have received credit for this topic under a DFTT 405 number may not take this course for credit.

SCEN 408 Supervised Internship I (3 credits)

Prerequisite/Corequisite:

Students must have completed 24 credits in their degree program prior to enrolling. Permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for work completed for a recognized theatre company, or a project under the joint supervision of a qualified professional and a full-time Theatre faculty member.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for PERC 408 , or DFTT 408 may not take this course for credit.

SCEN 409 Supervised Internship II (3 credits)

Prerequisite/Corequisite:

The following course must be completed previously: SCEN 408 or DFTT 408. Permission of the School of Performance is required.

Description:

This course provides students with the opportunity to obtain credit for work completed for a recognized theatre company, or a project under the joint supervision of a qualified professional and a full-time Theatre faculty member.

Component(s):

"Practicum/Internship/Work Term"

Notes:

- Students who have received credit for PERC 409 , or DFTT 409 may not take this course for credit.

SCEN 411 Urban Scenographies (3 credits)

Prerequisite/Corequisite:

Students must complete 24 credits in a Theatre Specialization program prior to enrolling. If prerequisites are not satisfied, permission of the Program Coordinator is required.

Description:

This studio course introduces students to contemporary theories and practices of scenography and performance design in the context and scale of cities and urban landscapes. An expanded conception of scenography will be used as a framework for students to conceptualize and realize design proposals for an urban performance project.

Notes:

- Students who have received credit for this topic under a PERC Special Topic number may not take this course for credit.

SCEN 413 Art Direction (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 209 or DFTT 209, SCEN 210 or DFTT 210, SCEN 214 or DFTT 211, SCEN 271 or DFTT 212 or DFTT 298. If prerequisites are not satisfied, permission of the School of Performance is required.

Description:

This studio course examines art direction for film, television, music video, documentaries, and others, with emphasis on the analysis, development, and execution of design ideas involving sets, costumes, properties, and special effects. Students focus on basic design processes and communication methods using storyboarding, rendering, drafting, and construction. Class projects begin with script analysis, building to research and elaboration of a final production design. Students may choose to execute the filming and editing or to keep their projects at the storyboard stage.

Component(s):

"Studio"

Notes:

- Students who have received credit for this topic under a SCEN or DFTT Special Topic may not take this course for credit.

SCEN 448 Design Field School (3 credits)

Prerequisite/Corequisite:

Students must complete 24 credits at the university level prior to enrolling. Permission of the Program Coordinator is required.

Description:

This course offers students hands-on, experiential learning in aspects of scenography via travel to and residency at a festival, conference, or exhibition, either locally, nationally or internationally. Students may participate by exhibiting their own work, taking on-site workshops, or observing production activities.

Notes:

- Students who have received credit for a field school under another course code may be considered to repeat this course for credit provided the subject matter is different. Students may be considered to repeat this course for credit, provided the subject matter is different each time.
- Students enrolled in this course are required to defray the costs of the field school.
- Students will have to apply for this course by submitting required documentation.

SCEN 460 Advanced Public Performance Design (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 360 or DFTT 350, or SCEN 361 or DFTT 351 ; and permission of the School of Performance is required.

Description:

Students learn to collaborate with directors, other designers, and technical staff at an advanced level to creatively realize set, costume, lighting, properties, video, and sound designs for live performance. Students apply their design knowledge to special projects, which may include portfolio development, an invaluable skill for all live performance creators.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students enrolled in this course are required to pay a materials fee.
- Students who have received credit for DFTT 450 may not take this course for credit.

SCEN 461 Advanced Public Performance Design (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 360 or DFTT 350, or SCEN 361 or DFTT 351; and permission of the School of Performance is required.

Description:

Students learn to collaborate with directors, other designers, and technical staff at an advanced level to creatively realize set, costume, lighting, properties, video, and sound designs for live performance. Students apply their design knowledge to special projects, which may include portfolio development, an invaluable skill for all live performance creators.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students enrolled in this course are required to pay a materials fee.
- Students who have received credit for DFTT 451 may not take this course for credit.

SCEN 470 Advanced Elements of Production (6 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 370 or DFTT 370, or SCEN 371 or DFTT 371; and permission of the School of Performance is required.

Description:

Students study advanced theories and practices of stage management, production management, and technical direction. They develop technical skills in scenery, properties, and costumes, as well as in lighting, video and sound. By completing specific assignments related to public performances, students are introduced to the language, tools, and techniques in rehearsal halls, shops, and backstage.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.

- Students enrolled in this course are required to pay a materials fee.
- Students who have received credit for DFTT 470 may not take this course for credit.

SCEN 471 Advanced Elements of Production (3 credits)

Prerequisite/Corequisite:

The following courses must be completed previously: SCEN 370 or DFTT 370, or SCEN 371 or DFTT 371; and permission of the School of Performance is required.

Description:

Students study advanced theories and practices of stage management, production management, and technical direction. They develop technical skills in scenery, properties, and costumes, as well as in lighting, video and sound. By completing specific assignments related to public performances, students are introduced to the language, tools, and techniques in rehearsal halls, shops, and backstage.

Component(s):

"Studio"; "Laboratory"

Notes:

- This course may be repeated for credit in this program, provided the subject matter is different each time.
- Students enrolled in this course are required to pay a materials fee.
- Students who have received credit for DFTT 471 may not take this course for credit.

SCEN 498 Special Topics in Scenography (3 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

This course focuses on the study of specialized aspects of scenography design conception.

Component(s):

"Studio"; "Laboratory"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

SCEN 499 Special Topics in Scenography (6 credits)

Prerequisite/Corequisite:

Permission of the School of Performance is required.

Description:

This course focuses on the study of specialized aspects of scenography design conception.

Component(s):

"Studio"; "Laboratory"

Notes:

- Specific topics, and additional prerequisites if required, are stated in the Undergraduate Class Schedule.

Section 100 Librarians

Website

concordia.ca/about/staff/

Section 200 Scholarships, Bursaries, and Awards

At Concordia University, undergraduate scholarships, bursaries, and awards are overseen and administered by the Undergraduate Scholarship and Awards Committee, as mandated by the Deputy Provost and Vice-Provost, Planning and Positioning. The Undergraduate Scholarship and Awards Committee is composed of a Chairperson, four faculty members, one member from Student and Enrolment Services, one Concordia Student Union member, one member of the Concordia Council on Student Life, as well as managerial staff from the Financial Aid and Awards Office.

Students may hold only one of the following types of awards during a given academic year:

- Entrance Scholarships
- Entrance Bursaries
- In-Course Scholarships
- In-Course Bursaries

Holding more than one of these scholarships or bursaries is not allowed unless expressly authorized by the Undergraduate Scholarships and Awards Committee. All scholarships, bursaries, and awards are available to full-time students in bachelor's programs, who are Canadian citizens or permanent residents.

Scholarship, award, and bursary programs are active during the regular session only. Regular session is defined in Section 16.1.1 Academic Year as thefall and winter terms of a given academic year. No scholarships, awards, or bursaries are issued during the summer session. Full-time and part-time status for all scholarships, bursaries, and awards is determined according to candidates' credit load over the regular session only (i.e. fall and winter). Where scholarship, award, and bursary programs are concerned, summer-sessioncredit loads cannot be combined with fall/winter credits in the determination of full-time or part-time status. Dependents of Concordia staff who are benefitting from tuition waivers are not eligible to apply to the entrance bursary and in-course bursary programs.

Authorized co-op work terms and exchange programs are normally considered equivalent to full-time on-campus registration. Where possible, clients of the Access Centre for Students with Disabilities who are registered in a part-time credit load may be considered as full-time students in the event of candidacy for scholarships, awards, and bursaries.

For complete details on regulations related to undergraduate scholarships, bursaries, and awards, and for a complete list of available entrance bursaries, consult the Scholarships & funding website at concordia.ca/students/financial/scholarships-funding.

Section 300 Graduate Programs

Graduate Programs

The graduate programs offered by the University are divided into doctoral, master's, diploma, certificate, and microprograms. For more details, please consult the Program repertoire section of the Graduate Calendar:

concordia.ca/academics/graduate/calendar/current/program-repertoire

All graduate programs are described in the Graduate Calendar. Each description outlines admission requirements, degree requirements, academic regulations, and program options. Please contact the graduate program director for further information.

For the full office directory, please see:

concordia.ca/gradstudies/about/meet-our-team

© Concordia University