

CONCORDIA UNIVERSITY
DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY
CHEMISTRY 221 - INTRODUCTORY ORGANIC CHEMISTRY I
COURSE INFORMATION – WINTER 2017

TEXTBOOK There is a required coursepack, Introductory Organic Chemistry I. One can use any textbook on introductory organic chemistry. Readings and problems will be assigned from the coursepack. Solutions to the problems are available online.

COURSE FORMAT: Lectures and Laboratory.

INSTRUCTORS: Sébastien Robidoux Lec. 02: HC-157 Tu 8:45-11:30
 Office: SP-201.15
 Tel.: 848-2424 ext. 3377 e-mail: sebastien.robidoux@concordia.ca

OFFICE HOURS: Monday 13H30-15H00 Tuesday 14H00-15H30
 Wednesday 10H00-11H30

MANDATORY QUIZ AND SEMINAR

As part of this course, you are **required** to i) attend a Chemistry and Biochemistry Departmental Seminar on the academic conduct code and the appropriate use of information sources and ii) pass the online quiz associated with this seminar (the passing grade for the quiz is 100%). (**Note:** This is **not** the University's quiz you may have been asked to take when you first registered and logged into the myConcordia portal; the one you must take is similar, but graded by the Department of Chemistry and Biochemistry, and you cannot take it until after you have attended the seminar.) The aim of this seminar is to clarify the academic conduct code in terms of what practices will be considered unacceptable with regards to work submitted for grading in Chemistry and Biochemistry courses. **You are only exempt from repeating the seminar and the quiz if you have done both in Winter 2012 or more recently,*** otherwise you are required to repeat both this term. This short seminar (1 hour) will be held at the following times (note that late-comers will not be admitted):

Date	Time	Place
Monday, Jan. 23	16:45-17:45	HC-155
Monday, Jan. 23	20:45-21:45	HC-155
Tuesday, Jan. 24	16:45-17:45	CC-308
Wednesday, Jan. 25	16:45-17:45	HC-155
Wednesday, Jan. 25	20:45-21:45	SP-S110
Thursday, Jan. 26	16:45-17:45	HC-155
Friday, Jan. 27	16:45-17:45	CC-310

As space for each of the seminars is limited by the room size, please sign up to your preferred time. Sign up sheets are available outside SP 201.01 (Departmental office).

If you do not complete this course requirement, your final grade for the course may be lowered by one full letter grade with an incomplete notation until such time as this requirement is completed. Please refer to the undergraduate calendar (section 16.3.6) for details on removal of an incomplete notation.

* You are exempt if you can locate your ID in the pdf file located on the CHEM 101 Moodle site (for guest login, go to: <http://moodle.concordia.ca/moodle>, Arts and Science, Chemistry and Biochemistry, Specialized Chemistry Sites, CHEM 101, look under FAQ).

PLAGIARISM AND OTHER FORMS OF ACADEMIC DISHONESTY:

The academic code of conduct can be found in section 17.10 of the academic calendar (<http://www.concordia.ca/academics/undergraduate/calendar/current/17-10.html>). Any form of unauthorized collaboration, cheating, copying or plagiarism found in this course will be reported and the appropriate sanctions applied. The mandatory seminar is a clear and fair opportunity to learn what our faculty regards as academic misconduct. Failure to take part in this learning opportunity and thus ignorance of these regulations is no excuse and will not result in a reduced sanction in any case where academic misconduct is observed.

COURSE NUMBER & SECTIONS:

Make it a point to remember the *course number*, your *lecture section number* and your *lab section number* for the duration of the course. This information will be required frequently later when you have to fill in your answer books during examinations and when submitting lab reports, etc., to ensure that your grades are correctly recorded.

STRATEGIC LEARNING:

Strategic Learning, collaborative study session, accompany this class. Attendance at these is voluntary but strongly encouraged. More details about this will be given in class.

LABORATORY INFORMATION:

Laboratory Coordinator: Ms Zornitsa Stoyanova, SP-201.10, Tel. 848-2424 ext. 5976.

Email: Zornitsa.stoyanova@concordia.ca Chem. 222 Laboratories are located at SP-116 and SP-112.

Laboratories start the week of Monday, January 16 2017. All students must attend the section for which they are registered during this week. All questions on matters related to the lab organization should be addressed to Ms M. Dochia.

Laboratory performance is graded based on the quality of the experimental work, the laboratory reports and a laboratory exam.

Do not expect a particular laboratory experiment to be directly related to the material covered in the lectures of the preceding week. **CONSIDER THE LABORATORY WORK AS AN INDEPENDENT AND ADDITIONAL LEARNING EXPERIENCE.**

LABORATORY MANUAL & MATERIALS:

The lab manual is a coursepack entitled **Introduction to Organic Chemistry 1 Laboratory Manual CHEM 221**. This is available from the University Bookstore, as are other items such as lab coats and safety glasses which are mandatory. You also need to buy a lab note book: **CHEMISTRY STUDENT LABORATORY NOTEBOOK** with carbon copies from the bookstore.

LAB EXEMPTIONS:

Students who are repeating the course, having passed the lab component within the past two (2) years, may be eligible for a lab exemption. Applications for the exemption (forms available in SP201.01) must be completed by the end of the first week of term (*i.e.* prior to the start of the laboratory); late applications will not be accepted. Signed and completed forms are to be returned to Hilary Scuffell, (SP 275.01). Students **MUST** register for the appropriate lab exemption lab/tutorial section; students registered in any other lab/tutorial sections will be required to complete the lab portion of the course (**NO EXCEPTIONS**).

LABORATORY INSTRUCTORS (TEACHING ASSISTANTS):

Each laboratory section will have one or two demonstrators who are senior undergraduates, graduate students or staff members of the department. You must know their names, emails and the location of their rooms. You will need to contact them later for matters related to your labs.

COURSE WITHDRAWALS:

Students who withdraw from the course must also check-out from their laboratory section. Only those students registered in the course may attend the laboratory and receive a grade for lab work.

EXAMINATIONS:

There will be **FOUR** formal examinations. You must write all exams in the section in which you are officially registered.

1. Test 1 (**in class test**), 40 minutes, on February 7, 2017 (Covalent bonding, alkane nomenclature and conformational isomerism of acyclic compounds)

2. Test 2 (**in class test**), 40 minutes, on March 14, 2017 (Stereochemistry, Alkenes and conformational isomerism of cyclic compounds)

If a student is absent from a test, he/she must produce a written excuse appropriately signed (i.e. by a doctor, or an employer) on the appropriate letterhead paper. If there is no valid excuse, the student will receive a mark of zero for the test. **THERE IS NO MAKEUP TEST.** In case of a valid excuse, the percentage grade will be transferred unto the final exam.

3. Final examination, between April 19 and May 2, 2017, arranged by the Examinations Office.

4. Laboratory exam (30 minutes **in class test**) April 4, 2017.

Surprise quiz:

5 or 6 surprise quizzes will be given during the term. Each of them will include 1 or 2 simple questions related to previous week's material. No surprise quiz will be the week of a test. The worst grade will be discarded to count the best 4 or 5. Attendance will be judged on the number of quizzes completed.

COURSE GRADE:

The final grade of the course is based on the marks obtained in the examinations, tests, quizzes and the laboratory marks. The composition of the final grade is as follow:

Surprise quiz (best 4-5 out of 5-6)	10%
Attendance	5%
Tests (2)	30%
Final exam	30%
Lab report	15%
Lab examination	10%

	100%

Separate minimum passing marks are required for theory (weighted average of 2 tests, final exam attendance and surprise quizzes), for lab (weighted average of lab report and lab exam) and for lab exam. Minimum passing marks for lab exam and theory is 50% (D-) and for lab is 60% (C-).

Letter grades will be assigned according to the following criteria:

A+: 90.00-100.00

B+: 76.67-79.99

C+: 66.67-70.00

D+: 55.00-60.00

A: 85.00-89.99

B: 73.33-76.66

C: 63.33-66.66

D: 50.00-55.00

A-: 80.00-84.99

B-: 70.00-73.32

C-: 60.00-63.32

F: 0.00-50.00