

CONCORDIA UNIVERSITY
DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY
CHEMISTRY 324/2 - ORGANIC CHEMISTRY III: ORGANIC REACTIONS
COURSE INFORMATION - FALL 2016

TEXTBOOK: There is a coursepack required for the theory section of the course: Organic III: Organic reactions. It is also assumed that you have a standard textbook of organic chemistry, such as Organic Chemistry by Jones, Bruice, or any other ones.

COURSE FORMAT: Lecture and Laboratory.

INSTRUCTORS: Sébastien Robidoux Lec. 01: We 18:00-20:30 HC-155
 Office: SP-201.15
 Tel.: 848-2424 ext.3377
 e-mail: Robidoux@alcor.concordia.ca

OFFICE HOURS: Monday 13:00-15:00 Wednesday 13:00-15:00
 Thursday 13:00-15:00 Friday 10:00-11:30

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 Fall 2011 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, Sept. 26	16:45-17:45	CC-308
Tuesday, Sept. 27	16:45-17:45	HB-130
Wednesday, Sept. 28	16:45-17:45	CC-308
Wednesday, Sept. 28	20:45-21:45	HC-157
Thursday, Sept. 29	16:45-17:45	CC-204
Thursday, Sept. 29	20:45-21:45	HC-157
Friday, Sept. 30	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 (INC) 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.

LABORATORY INFORMATION: Laboratory Coordinator: Ms Rita Umbrasas, SP-330.01, Tel. 848-2424 ext. 3354, Email: rita.umbrasas@concordia.ca Chem. 324 Laboratories are located at SP-112.

Laboratories start the week of Monday, September 12, 2016. All students must attend the section for which they are registered during this week.

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: Lab manual for CHEM 324 and laboratory textbook "**Operational Organic Chemistry**, a problem-solving approach to the laboratory course" Lehman, John W. 4th Edition, Prentice Hall, 2009 may be purchased 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 SECTION CHANGES: Lab section changes will be considered only in exceptional circumstances (e.g. course conflict). All requests for changes must be made to: Ms. R. Umbrasas.

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 Ian Tonnies, (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 demonstrator who is a graduate student. You must know his name and the location of his room. You will need to contact him 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 **Five** formal examinations:

1. A bonus test (in class test) 30 minutes for 20 multiple choice questions on:
September 14, 2016 (CHEM 221 and CHEM 222)
2. A Test 1 (**in class test**) 45 minutes for 3 questions on:
October 19, 2016 (Review and pericyclic reactions)
3. A Test 2 (**in class test**) 30 minutes for 2 questions on:
November 16, 2016 (Organometallics and acetylide)

If a student is absent from the tests, he/she must produce a written excuse appropriately signed (i.e. by a doctor, or an employer) on the appropriate letterhead paper. This letter must be delivered to the instructor. The Department determines the validity of the absence. 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, percentage grade is transferred unto the final exam.

4. A final examination, between December 7 and December 22 2016, arranged by the Examinations Office.
5. A laboratory exam (**in class test**) 30 minutes for 10 multiple choice questions and 5 short answer questions on November 23, 2016.

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 given before or after a test. The worst grade will be dropped in order to count the best 4 or 5 grades. 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, assignments and the laboratory marks. The composition of the final grade is as follows:

Surprise quiz (best 4-5 out of 5-6)	10%
Attendance	5%
Test 1	15%
Test 2	10%
Final exam	35%
Lab report	15%
Lab examination	10%

	100%
Bonus test	+5%

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	A: 85.00-89.99	A-: 80.00-84.99
B+: 76.67-79.99	B: 73.33-76.66	B-: 70.00-73.32
C+: 66.67-70.00	C: 63.33-66.66	C-: 60.00-63.32
D+: 55.00-60.00	D: 50.00-55.00	F: see previous paragraph