



UNIVERSITY OF CALGARY

DEPARTMENT OF CHEMISTRY COURSE OUTLINE FALL 2014

1. COURSE: CHEMISTRY 653, Advanced Organic Spectroscopy

LEC	DAYS	TIME	ROOM	INSTRUCTOR	OFFICE	PHONE	EMAIL	OFFICE HOURS
L01	TR	3:30 pm - 4:45 pm	EEEL 151	Dr. Chang-Chun Ling	SB 235	220-2768	ccling@ucalgary.ca	TBA

Departmental Office: SA 229, 220-5341, chem.undergrad@ucalgary.ca

2. **PREREQUISITES:** Enrolment in a graduate program in the Department of Chemistry or consent of the Department. CHEM 559 or equivalent is strongly recommended.

Note: The calendar description and the Faculty of Science policy on prerequisites and antirequisites is described in section 3.5 C. of the online University Calendar (<http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html>). Students are responsible to ensure that they meet all prerequisite requirements for each course in which they are registered. Students who do not meet these requirements will be deleted from the course.

3. **GRADING:** The University policy on grading and related matters is described sections F.1 and F.2 of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Assignments	40%
Critical Review on Special Topics	25%
Final Project	30%
Participation	5%

Total	100%

Each piece of work submitted by the student will be assigned a percentage score. The student's average percentage score for the various components listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade. The conversion between course percentage and letter grade is given below:

Grading Scales

A+	A	A-	B+	B	B-
95%-100%	85%-94%	80%-84%	75%-79%	70%-74%	65%-69%

C+	C	C-	D+	D	F
60%-64%	55%-59%	50%-54%	47%-49%	45%-46%	<45%

4. **MISSED COMPONENTS OF TERM WORK:** The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in section 3.6: <http://www.ucalgary.ca/pubs/calendar/current/sc-3-6.html>. It is the student's responsibility to familiarize himself/herself with these regulations. See also <http://www.ucalgary.ca/pubs/calendar/current/e-3.html>.

5. **TEXTBOOK / RECOMMENDED MATERIALS FOR THE COURSE:** No textbook will be used. A set of printed notes will be provided to students in class.
Suggested reading:
(1) "Spectroscopic Methods in Organic Chemistry." 2nd ed, by M. Hesse, H. Meier and B. Zeeh.
(2) "Spectrometric Identification of Organic Compounds", 7th ed, by Robert M. Silverstein.
Students are encouraged to purchase these books. However, it is not a requirement to the course.
6. **EXAMINATION POLICY:** Midterm/Final tests will be closed book. Molecular model kits, programmable calculators are allowed in the exam. Students should also read the Calendar, Section G, on Examinations: <http://www.ucalgary.ca/pubs/calendar/current/g.html>.
7. **WRITING:** For all components of the course, the quality of the student's writing in any written work will be a factor in the evaluation. See also <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>.
8. **OTHER IMPORTANT INFORMATION FOR STUDENTS:**
- (a) **ACADEMIC MISCONDUCT:** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under K. Student Misconduct (<http://www.ucalgary.ca/pubs/calendar/current/k.html>) to inform yourself of definitions, processes and penalties.
- (b) **ACADEMIC INTEGRITY:** Do you know what "honesty in academics" is? Check the University website at: <http://www.ucalgary.ca/honesty/>
- (c) **ASSEMBLY POINTS:** in case of emergency during class time. Be sure to FAMILIARIZE YOURSELF with the information at <http://www.ucalgary.ca/emergencyplan/assemblypoints>.
- (d) **ACADEMIC ACCOMMODATION POLICY.** Students with documentable disabilities are referred to the following links:
Calendar entry on students with disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html>
Disability Resource Centre: <http://www.ucalgary.ca/drc/>
- (e) **SAFEWALK:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call **220-5333** for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (f) **FREEDOM OF INFORMATION AND PRIVACY:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIP). As one consequence, **students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page.** For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (g) **STUDENT UNION INFORMATION:**
VP Academic: **Phone:** 220-3911 **Email:** suvpaca@ucalgary.ca.
SU Faculty Rep: **Phone:** 220-3913 **Email:** sciencerep@su.ucalgary.ca
Website: <http://www.su.ucalgary.ca/home/contact.html>.
Student Ombudsman: <http://www.ucalgary.ca/provost/students/ombuds>
- (h) **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.** You can assume that in all classes that you attend, **your cell phone should be turned off.** Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.