

FACULTY OF SCIENCE
DEPARTMENT OF CHEMISTRY
COURSE OUTLINE SPRING 2016

1. Course: CHEMISTRY 353 - ORGANIC CHEMISTRY II

Course and Laboratory Coordinator: Dr. V. Iosub

Lectures

LEC	DAYS	TIME	ROOM	INSTRUCTOR	OFFICE	PHONE	EMAIL	OFFICE HOURS
L01	MWF	10:00-11:50	ST 132	Dr. V. Iosub	SA 144C	403-220-8077	viosub@ucalgary.ca	TBA

Tutorials: SA 204 Start on May 9th. **Laboratories:** See your timetable; start on May 11th.

Course website: <http://www.chem.ucalgary.ca/courses/351/index353-sp16.html>

D2L course name: CHEM 353 L01 - (Spring 2016) - Organic Chemistry II

Chemistry Departmental Office: SA 229, 403-220-5341, chem.undergrad@ucalgary.ca

2. Prerequisites: Chemistry 351

The [Faculty of Science policy on prerequisite](#) checking is outlined in section 3.5.C of the online Calendar. Students are responsible to ensure that they meet all pre- and co-requisite requirements, as listed in the Calendar, for each course in which they are registered. **Students who do not meet these requirements will be withdrawn from the course.**

3. Grading: The University policy on grading and related matters is described in sections [F1](#) and [F2](#) of the online Calendar. In determining the overall grade in the course, the following weights will be used:

Midterm Exam (Tu, June 14 th , 5 – 7 pm)	20%
Final Exam (Final Exam period)	45% (Scheduled by Registrar)
Laboratory	20%
E-Learning (Top Hat/tutorial assignments)	15%
Total	100%

The marks for each of the course components will be recorded as numerical scores and combined as shown above to arrive at the total numerical score which will then be converted to the letter grade that will be reported to the Registrar. In assigning the final course letter grade, the following scale will be used:

A+ 95 A 85 A- 80 B+ 75 B 70 B- 65 C+ 60 C 55 C- 50 D+ 45 D 40 F

Notes:

- (1) A minimum 50% on the laboratory **is required** in order to satisfy the prerequisite requirement (*i.e.* C-) for further Science courses.
- (2) **Either** a minimum 50% on the Final examination **or** a minimum 50% weighted average on the examinations (MT & FIN) **is required** in order to satisfy the prerequisite requirement (*i.e.* C-) for further Science courses.
- (3) Notes (1) and (2) mean that if a student scores below 50% in either the laboratory component or the examinations, then the *maximum* grade they can obtain in Chem 353 is a D+.
- (4) In any written work, the quality of the writing (language, spelling, grammar etc.) will be evaluated.
- (5) The e-Learning mark is based on the best five out of six components: five equally weighted tutorial assignments to be completed using Moodle (free system) and the Top Hat (TH) mark. The TH mark is based on your responses and participation (equally weighted) to questions asked using the [Top Hat system](#). If you opt not to use TH then your e-Learning mark automatically comes from the five tutorial assignments.
- (6) Tutorial assignments are written under “exam conditions”. You will be allowed to use a non-programmable calculator and/or model kit and have access to a periodic table and spectroscopy data tables if required. Absolutely no other resources can be used while completing an assignment, (see course website for more details). Breaking these rules will be treated as academic misconduct.

(7) Students who have taken this course before *may* have the option to [opt out of the laboratory component](#). If a student wishes to exercise this option, they *must* make arrangements with the Chemistry Undergraduate Program Coordinator (SA 229) before 4:30 pm May 13, 2016.

4. **Examinations:** The **MID-TERM** will be held on **TUESDAY June 14th, 5:00 - 7:00 pm**. Model kits and non-programmable calculators are allowed in examinations but **no other aids** such as "cheat" or "data" materials. Wireless devices and other electronic devices are not allowed. **Any regularly scheduled U of C classes have precedence over this out-of-class-time activity, see below.**

If you have a conflict with the scheduled Midterm time, please inform the course coordinator by email including a copy of your schedule as soon as possible but a minimum of ten days in advance of the midterm date so that an alternate examination time can be arranged for you. See note below about deferred examinations.

The final examination will be scheduled by the Registrar's Office.

The University policies around examinations and tests are described in [section G](#) of the online Calendar.

5. **Missed Components of Term Work:** The regulations of the Faculty of Science pertaining to this matter are outlined in [section 3.6](#) of the online Calendar. It is the student's responsibility to become familiar with these regulations including those on [attendance](#). As per these regulations, students should contact the course/laboratory coordinator (Dr. Iosub, email viosub@ucalgary.ca) within 48 hours of missing any graded work (e.g. midterm, laboratory, tutorial etc.) so that alternate arrangements can be made.

Deferred examinations will only be provided for the Final Examination and then only with the approval of the Associate Dean.

Absences from the midterm must be reported within 48 hours. In the event that a student misses the midterm due to illness then a medical note will be required. If a student misses the midterm for other reasons, then analogous documentation will be required. The course coordinator will need to see the original note and keep it (or a copy) for their records. The documentation must be provided to the coordinator within 15 days of the date of the midterm in order for an excused absence to be awarded. If no such documentation is provided within this time frame then a grade of zero will be assigned to the midterm.

Instructions on how to go about making up missed laboratory work can be found in the introductory section of the [Chem 353 student laboratory manual](#) or [online](#).

6. **Academic Integrity** Do you know what "honesty in academics" is? [Do you think you know](#)? Check the University website.

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 the headings "Student Misconduct" ([Section K](#) of the 2016-17 Calendar).

7. RECOMMENDED MATERIALS FOR THE COURSE (from the Bookstore)

Textbook: No textbook is required. Links will be provided to the Organic Chemistry e-text on the course website. If you wish to purchase a textbook because it better suits your learning approach, then "Organic Chemistry" by Jones and Fleming (Norton publisher) is a good choice for our courses, or you can consult with your instructor.

Molecular Model Kit: very strongly recommended (these are an allowed resource in examinations)

Self-Duplicating Laboratory Notebook: required for all lab experiments

Online Course Components: [Course website](#) (free resource for all students) includes the Organic Chemistry e-text and the Online Chemistry 351 Laboratory Manual.

Top Hat classroom response system will be used in class for clicker grades. Class content materials (e.g. slides, practice worksheets, etc.) can be found on the course D2L site.

8. **Fees:** The Department of Chemistry has a laboratory glassware breakage fee. At the start of the course, each student is assigned a locker and is required to carefully check-in to establish that they have a complete set of usable, unbroken glassware. By signing for the check-in, a student agrees everything is present, clean and is good condition, and **they are accepting responsibility for the complete glassware kit until check out**. Any equipment that is missing, unusable or has been replaced during the semester will be charged to the student. All students, even those who withdraw early from the course must check out of the laboratory before the last day of lectures. Any student who fails to check out before the last day of lectures for the term will be assessed a charge of \$30.00. If this fee is not paid by the last day of the final examination period of the term, an additional \$10.00 administrative fee will be charged and university services (registration, transcripts, etc.) may be withheld.

We keep the original signed form until the end of the course. This is like any rental agreement.... if you rent a car, you check it over before you take it because you know you will have to pay for any damage that occurs while it is in your possession..... you are renting the laboratory equipment from us for duration of the semester, except there is no charge unless you break or misplace your equipment.

9. Other Useful Information

(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 [Section K - Student Misconduct](#) to inform yourself of definitions, processes and penalties

(b) **ASSEMBLY POINTS** in case of emergency during class time. Be sure to FAMILIARIZE YOURSELF with the information.

(c) **ACADEMIC ACCOMMODATION POLICY.** Students with documentable disabilities are referred to the following link: Calendar entry on [students with disabilities](#) and the Student Accessibility Services

(d) **SAFEWALK**: Campus Security will escort individuals day or night. Call **220-5333** for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.

(e) **FREEDOM OF INFORMATION AND PRIVACY**: This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). 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**.

(f) **STUDENT UNION INFORMATION:**

VP Academic Phone: 403-220-3911 Email: suvpaca@ucalgary.ca.

SU Faculty Rep. Email: science1@su.ucalgary.ca ; science2@su.ucalgary.ca ; science3@su.ucalgary.ca

Website: <http://www.su.ucalgary.ca/>

Student Ombudsman: <http://www.ucalgary.ca/provost/students/ombuds>

(g) **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.**

During lectures we will be using cell phones (and possibly other Internet connected devices) as "clickers" via the Top Hat system. However, communication with other individuals, via cell phones, smartphones, laptop computers, or other devices connectable to the Internet is not allowed in any lecture time unless specifically permitted by the instructor. If you violate this policy in a disruptive way you will be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.

You can assume that in all laboratories and tutorials that you attend, **your communication devices should be turned off.**

10. ETHICS STATEMENT: Subject to your consent, your course work may be used for educational research into teaching and learning organic chemistry. Your responses will remain anonymous and confidential. In the event that an example of student work is used in a publication or presentation, it will be anonymous and there will be no way it can be traced back to the individual student. Grouped data may also be used in future academic presentations and publications. Participation in such research is voluntary and it will not influence grades in the course in any way. Students' signed consent forms will be withheld from the course instructors until after final grades are submitted and finalised. More information will be provided at the time the student participation is requested.

Departmental approval: Approved by Department Head

Date: April 28, 2016

Associate Dean's approval for out-of-regular-class time activity: Approved by Associate Dean

Date: April 28, 2016