

UNIVERSITY OF CALGARY  
FACULTY OF SCIENCE  
DEPARTMENT OF CHEMISTRY  
COURSE OUTLINE  
FALL 2015

**1. COURSE: CHEMISTRY 559 - ORGANIC SPECTROSCOPY**

| LEC | DAYS | TIME        | ROOM   | INSTRUCTOR   | OFFICE  | PHONE        | EMAIL              | OFFICE HOURS |
|-----|------|-------------|--------|--------------|---------|--------------|--------------------|--------------|
| L01 | MWF  | 12:00-12:50 | SB 142 | Dr. Ian Hunt | SA 144G | 403-220-6430 | irhunt@ucalgary.ca | Open door    |

**All course activities start the week of Sept 8<sup>th</sup> 2014**

**D2L course name:** CHEM 559 L01 - (Fall 2015) - Organic Spectroscopy

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

**2. PREREQUISITES:** Chem 351 and Chem 353 or 355

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 **Students who do not meet these requirements will be withdrawn from the course.**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:

|   |             |                          |
|---|-------------|--------------------------|
| Final examination (December)                      | 40%         | (Scheduled by Registrar) |
| Midterm examinations (3 x 10%)                    | 30%         |                          |
| Spectroscopy quizzes (each quiz equally weighted) | 30%         |                          |
| <b>Total</b>                                      | <b>100%</b> |                          |

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 (e.g. A- starts at 80%, A at 85%):

|    |    |   |    |    |    |    |    |   |    |    |    |    |    |   |    |    |    |    |    |   |    |   |
|----|----|---|----|----|----|----|----|---|----|----|----|----|----|---|----|----|----|----|----|---|----|---|
| 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% average the examinations or minimum 50% on the Final is required in order to obtain a C- or better.
- (2) Quizzes and examinations are open book, and both are to be completed under "exam conditions".

**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](#). It is the student's responsibility to familiarize themselves with these regulations. See also [Section E.6](#) of the University Calendar.

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

**5. Course Materials:** The following texts books are recommended:

Undergraduates: Pavia, Lampman, Kriz and Vyvyan, "Introduction to Spectroscopy" (Brookes and Cole)  
 Graduates: Silverstein, Webster and Kiemle "Spectrometric Identification of Organic Compounds" (Wiley), or,  
 Crews, Rodriguez and Jaspars, "Organic Structure Analysis" (Oxford)

6. **Examination Policy:** The University policies around examinations and tests are described in the Calendar [section G](#) on examinations.

All Chem 559 examinations and quizzes will be open book. Calculators are allowed. Laptops, smart phones, iPads and all other types of wireless devices are **not allowed**.

There will be 3 *in class* midterms: **Friday Sept 25 2015, Friday Oct 23 2015 and Friday Nov 20 2015**

The **final** examination will be scheduled by the Registrar's Office. See item 4 above related to deferred examinations.

7. **Writing across the curriculum statement:** In this course, the quality of the student's writing in any submitted work will be a factor in the evaluation. For example, it is important that "final answers" to questions are clearly identified. See also [Section E.2](#) of the University Calendar.

#### 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 [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 on [assembly points](#).
- (c) **Academic Accommodation Policy:** Students needing an Accommodation because of a Disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities available at [http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities\\_0.pdf](http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities_0.pdf). Students needing an Accommodation in relation to their coursework or to fulfill requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Associate Head of Chemistry, Dr. Ashley Causton, by email [ahugchem@ucalgary.ca](mailto:ahugchem@ucalgary.ca) or phone (403) 220-5353.
- (d) **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.
- (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. For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **Student Union Information:** VP Academic Phone: 403 220-3911 Email: [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca)  
SU Faculty Rep. Phone: 403 220-3913 Email: [science1@su.ucalgary.ca](mailto:science1@su.ucalgary.ca), [science2@su.ucalgary.ca](mailto:science2@su.ucalgary.ca) and [science3@su.ucalgary.ca](mailto:science3@su.ucalgary.ca);  
Student Ombuds Office: 403 220-6420 Email [ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca)  
<http://ucalgary.ca/provost/students/ombuds>
- (g) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. 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.
- (h) **U.S.R.I.:** At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses ([www.ucalgary.ca/usri](http://www.ucalgary.ca/usri)). Your responses make a difference - please participate in USRI Surveys.