

**CHM 227 – ORGANIC CHEMISTRY I  
SYLLABUS – FALL 2017**

*Instructor:* Dr. Silvana C. Ngo  
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*Office hours:* MWF 8:30 – 9:30 AM or by appt.

*Class Meetings:*  
CHM 227-1: Beaupre 100 MWF 10:00 – 10:50 AM

**General Information for Students**

This sheet contains information about the organization of CHM 227 for this semester. It should be carefully read and retained, together with the course schedule, for future reference by each student taking the course.

**Course Description/Objectives.**

Organic chemistry is the study of carbon-containing compounds. CHM 227, the first of a sequence, deals with the structure, bonding and reactivity of principal classes of organic compounds. At the end of the course, students will be able to:

- Identify, name and understand the reactivity of alkanes, alkenes, alkynes, aromatic compounds, and derivatives of these compounds.
- Analyze the relationships between structure and properties of organic compounds.
- Predict the product of a reaction based on the properties of the reactants.
- Write mechanisms for some common reactions.
- Apply what they have learned to proceed to the second course of the sequence.

**Books/Resources.**

Required: Organic Chemistry by T. W. Solomons, 12<sup>th</sup> ed.

Online access to WileyPlus. This also gives you access to the ebook and the solutions manual.

Strongly recommended: A molecular model set (available from [www.megamolecules.com](http://www.megamolecules.com) or any other vendor).

A copy of the textbook and the solutions manual are available through the library Reserves for 2-hour use. You will need your ID to have them released to you. Ask for these items at the front desk.

**Course Site.**

Information for the course is posted in Sakai (<https://sakai.uri.edu/portal>). Be sure to check Sakai regularly throughout the semester.

**Grading Policies.**

A student's course percentage will be calculated as follows:

|                            |       |
|----------------------------|-------|
| Exams (Average of 4 exams) | 68 %  |
| Final Exam                 | 18 %  |
| Assignments (WileyPlus)    | 14 %  |
| Total                      | 100 % |

Course grades will be assigned according to the scale shown:

>90 = A-/A      76 – 89 = B-/B/B+      60 - 75 = C-/C/C+      52 - 59 = D/D+      <52 = F

A student's grade is earned by demonstrating mastery/proficiency of the course material as evinced by the quality of the student's performance in exams and assignments. It is *not* open to negotiation nor dictated by what's needed to progress in the student's chosen program of study. **Note:** You need a C- to move on to any other chemistry course in our department!

**No make-up exams will be given.** The final exam score will replace the grade of any one of the four lecture exams that is missed OR lower than the final exam score. The purpose of replacing a missed lecture exam with the final exam score is to eliminate the need for make-up exams.

## **Exam Format and Rules.**

Exams will be a mix of multiple choice and short answer questions. Each exam may require you to use information and concepts learned in previous chapters, so all exams are cumulative

*Students must attend all examinations in the section they are registered in.* You will be assigned a seat in Beaupre 100 for taking all exams. You will receive a zero for a grade if you are not in your assigned seat for the exam. On exam days, wait outside the classroom until you are instructed to enter. Bring a pen (exams must be written in blue or black ink) and your URI ID. Once you have started the exam, you are not allowed to leave the room until you are finished.

Exam answers and scores will be posted in Sakai. Any errors in grading must be brought to my attention within 48 hours of the material being handed back in class. No changes in any grades will be made after that point. Note that any request for re-grading means the entire exam will be re-graded.

## **Assignments.**

Assignments will be administered through WileyPlus. Information for registering for WileyPlus is given in Sakai.

## **Disability Accommodations.**

Alternate testing accommodations will be provided for students with a documented disability. As part of this process, please contact the Disability Services for Students Office at 330 Memorial Union, 874-2098 (<http://www.uri.edu/disability/dss/>) as early in the course as possible. You must provide your approved documentation to me at the latest, one full week before the exam.

## **Help Sources.**

- AEC (Academic Enhancement Center). This is a challenging course. Success requires that you keep pace with the work, understand course concepts, and study effectively. The AEC helps URI students succeed through Subject-Based Tutoring, walk-in tutoring, and academic coaching. To learn more about these services, please visit [uri.edu/aec](http://uri.edu/aec) or call 401-874-2367.
- Beaupre 115 Chemistry Learning Center. Help is available from Chemistry TAs at the Learning Center. Schedule is posted in Sakai.

## **Academic Integrity.**

The university policy on academic honesty will be strictly enforced. Any incidence of academic dishonesty, as defined by the policies outlined in the URI's Student Handbook, will result in either one or all of the following: a grade of zero for the exam, failure for the course, formal notification to the Dean. While students are encouraged to study together, exams must represent the work of the individual student. The following are examples of academic dishonesty:

- Unauthorized possession or access to exams
- Unauthorized communication during exams
- Unauthorized use of another's work or preparing work for another student
- Taking an exam for another student
- Altering or attempting to alter grades
- The use of notes or electronic devices to gain an unauthorized advantage during exams
- Facilitating or aiding another's academic dishonesty

## **Email.**

All email communications will be done through your [my.uri.edu](mailto:my.uri.edu) email so make sure you check it regularly. Do note that I receive a substantial number of emails daily. I am teaching two different courses this semester, so to ensure that your email will be answered, please remember to: include your *full name, course* and *section*; indicate the topic concisely on the subject line; write a clear and complete message.

### CHM 227-1 Lecture/Exam Schedule

The breakdown for each chapter will depend on the pace of the class. You are responsible for all of the material in each chapter unless announced differently and for material presented during lectures, including those not in the text.

| Week # | Monday                                  | Wednesday  | Friday                                  |
|--------|---|--|---|
| 1      |   | 9/6<br>Syllabus; Ch 1                            | 9/8<br>Ch 1                             |
| 2      | 9/11<br>Ch 1                            | 9/13<br>Ch 1                                     | 9/15<br>Ch 1, 2                         |
| 3      | 9/18<br>Ch 2                            | 9/20<br>Ch 2                                     | 9/22<br>Ch 2                            |
| 4      | <b>9/25</b><br><i>Exam 1 (Ch 1 – 2)</i> | 9/27<br>Ch 3                                     | 9/29<br>Ch 3                            |
| 5      | 10/2<br>Ch 3                            | 10/4<br>Ch 3, 4                                  | 10/6<br>Ch 4                            |
| 6      | 10/9<br>No Class (Columbus Day)         | 10/11<br>Ch 4                                    | 10/13<br>Ch 4                           |
| 7      | 10/16<br>Ch 4                           | 10/18<br>Ch 4                                    | <b>10/20</b><br><i>Exam 2 (Ch 3, 4)</i> |
| 8      | 10/23<br>Ch 5                           | 10/25<br>Ch 5                                    | 10/27<br>Ch 5                           |
| 9      | 10/30<br>Ch 5, 6                        | 11/1<br>Ch 6                                     | 11/3<br>Ch 6                            |
| 10     | 11/6<br>Ch 6                            | 11/8<br>Ch 6                                     | <b>11/10</b><br><i>Exam 3 (Ch 5, 6)</i> |
| 11     | 11/13<br>No Class (Veterans Day)        | 11/15<br>Ch 7                                    | 11/17<br>Ch 7                           |
| 12     | 11/20<br>Ch 7                           | 11/22<br>Ch 7                                    | 11/24<br>No Class (Thanksgiving)        |
| 13     | 11/27<br>Ch 7, 8                        | 11/29<br>Ch 8                                    | 12/1<br>Ch 8                            |
| 14     | 12/4<br>Ch 8                            | 12/6<br>Ch 8, 10                                 | <b>12/8</b><br><i>Exam 4 (Ch 7 8)</i>   |
| 15     | 12/11<br>Ch 10                          |  |   |
| 16     |   | <b>12/20</b><br><i>Final Exam, 8:00-11:00 AM</i> |   |

### CHM 227-1 WileyPlus Assignment Schedule

|                  | <b>Monday</b>   | <b>Tuesday</b> | <b>Wednesday</b> | <b>Thursday</b> | <b>Friday</b> |
|------------------|-----------------|----------------|------------------|-----------------|---------------|
| <b>September</b> | 9/11<br>Intro   |                |                  |                 | 9/15<br>PLA 1 |
|                  | 9/18<br>HW 1    |                |                  |                 | 9/22<br>PLA 2 |
|                  | 9/25<br>HW 2    |                |                  |                 |               |
| <b>October</b>   |                 |                | 10/4<br>PLA 3    |                 | 10/6<br>HW 3  |
|                  |                 |                | 10/18<br>PLA 4   |                 | 10/20<br>HW 4 |
| <b>Oct/Nov</b>   | 10/30<br>PLA 5  |                | 11/1<br>HW 5     |                 |               |
| <b>November</b>  |                 |                | 11/8<br>PLA 6    |                 | 11/10<br>HW 6 |
|                  | 11/27<br>PLA 7  |                | 11/29<br>HW 7    |                 |               |
| <b>December</b>  |                 |                | 12/6<br>PLA 8    |                 | 12/8<br>HW 8  |
|                  | 12/11<br>PLA 10 | 12/12<br>HW 10 |                  |                 |               |