CHM 227 – ORGANIC CHEMISTRY I
SYLLABUS – FALL 2020

Instructor: Dr. Silvana C. Ngo
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Office hours: MW 10:00 – 11:00 AM; TTh 6:00 – 7:00 PM
(via WebEx; click on the link on our Brightspace course page)

Class Meetings:
CHM 227-1: online asynchronous
CHM 227-2: online asynchronous

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, 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 and an understanding of the mechanism.
- Write mechanisms for some common reactions.
- Do short synthesis of small molecules.
- Apply what they have learned to proceed to the second course of the sequence.

Books/Resources.

Required: Organic Chemistry by T. W. Solomons, 12th 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 or any other vendor).

Course Site.

Information for the course is posted in Brightspace (https://web.uri.edu/brightspace/). Be sure to check Brightspace regularly throughout the semester.

Grading Policies.

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

Quizzes (Average of 8 quizzes)	76 %
Final Exam (replaces lowest quiz)	
Assignments:	
HW (WileyPlus)	12 %
PLA (WileyPlus)	12 %
Total	100 %

Course grades will be assigned according to the scale shown:

>90 = A-/A 80 – 89.9 = B-/B/B+ 65 – 79.9 = C-/C/C+ 58 – 64.9 = D/D+ <58 = 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!

Quiz Format and Rules.

Quizzes (1 per chapter) will be given in Brightspace or WileyPlus. Each quiz may require you to use information and concepts learned in previous chapters, so all quizzes are cumulative. Questions are in the form of mixed multiple choice and short answer

questions. Quizzes will be timed and available from 6am – 11:55pm on the dates indicated (see Schedule below). No extensions or rescheduling allowed regardless of reason.

Average of the 8 quizzes will count for 76% of your course grade and the two types of assignments make up 12% each, for a total of 100%. The final exam score will replace the lowest quiz if it is higher. That means, you can opt out of the final exam if you are satisfied with your grade already.

Assignments.

Assignments will be administered through WileyPlus. Information for registering for WileyPlus is given in Brightspace. We will be using WileyPlus for two graded assignment types: PLA (Pre-Lecture Activity), and HW (Homework). Assignment due dates are clearly indicated in WileyPlus (and the Syllabus) and ***NO EXTENSIONS*** will be given. Please do not ask for any.

PLA (Pre-Lecture Activity) *- 12 %*
The PLAs consist of basic information on topics and are due 2 days before the quiz for that chapter. Questions are generally easier than the example problems in the lecture slides and those in exams. These are best done along with your readings to check how much you understand.

HW (Homework) *- 12 %*
HW assignments consist of end-of-chapter questions and are due on the quiz day for that chapter. These are best done along with your readings, watching the lecture videos, and redoing the examples and DIY questions. These will help you further practice new skills as well as serve as a self-test of how you are progressing. Questions are comparable in difficulty to those in the lecture slides and exams.

The assignments are long so do not wait until the last minute to start on them. Ideally, you should be working on them as you learn the material. Since the assignments are considered as study tools, you may work on them with your study groups. However, ensure that you are gaining understanding of the material instead of relying on others or just clicking the answers until you get the correct one. Gaming the system will be unproductive in the long run. After the due dates, the assignments will be available for reviewing only. Note that while the HW assignments are due on exam days for those chapters, I would advise you to do them before the exams.

Disability Accommodations.

Accommodations for students with disabilities are still in place. Appointments with your case manager can be set up in Starfish for virtual meetings. More information is available at (http://www.uri.edu/disability/dss/).

Help Sources. (In addition to Dr. Ngo's office hours)

- AEC (Academic Enhancement Center). Weekly tutoring groups will be done in WebEx. Additional information is available at (https://web.uri.edu/aec/).
- Chemistry TAs. Lab TAs for CHM 126/226 will hold office hours in Zoom. A link to the TA schedule will be posted once it is finalized.

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.

Email.

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

QUIZ SCHEDULE

Date	*Day*	*Quiz*
9/18	F	Q 1 (Ch 1)
9/28	M	Q 2 (Ch 2)
10/7	W	Q 3 (Ch 3)
10/21	W	Q 4 (Ch 4)
11/4	W	Q 5 (Ch 5)

Date	*Day*	*Quiz*
11/18	W	Q 6 (Ch 6)
12/2	W	Q 7 (Ch 7)
12/14	M	Q 8 (Ch 8)
12/21	M	Cumulative Final

WILEYPLUS ASSIGNMENT SCHEDULE

	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
September	9/14 HW-Intro		9/16 PLA 1		9/18 HW 1
					9/25 PLA 2
	9/28 HW 2				
October	10/5 PLA 3		10/7 HW 3		
	10/19 PLA 4		10/21 HW 4		
November	11/2 PLA 5		11/4 HW 5		
	11/16 PLA 6		11/18 HW 6		
Nov/Dec	11/30 PLA 7		12/2 HW 7		
					12/11 PLA 8
	12/14 HW 8				