

Organic Chemistry
Chemistry 142
Spring 2020

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Welcome back to Organic Chemistry. This semester we will continue to explore the connections and differences between the common organic functional groups.

AIMS: At the end of this course a successful student will have developed skills and knowledge that allow them to answer the following questions:-

I:- Recognize the atoms and bonding present in common functional groups, their resultant chemical properties and likely reactions.

II:- Be able to create rational curved-arrow mechanisms to predict the likely products of reactions.

Students that can combine these skills will be most successful, as this skillset will allow them to communicate with scientists in many other fields.

LECTURE Lec A: 10:50AM-11:40AM Mon/Wed/Fri Innovation E102
 Lec B: 3:30-4:45PM Mon/Wed Innovation E102

OFFICE HOURS: 1:30PM- 2:30PM, *Monday/Wednesday/Friday* or by appt.

THURSDAY EVENING REVIEW: Each Friday I will post (on Blackboard) a few problems to be discussed at the following Thursday Evening Review. This is a perfect opportunity to practice problems and work through some of the tricky points in regards to the new concepts. These questions are not graded but many students find these review sessions very helpful. I usually bring donuts/cookies and “organic” fruit for volunteers!! The atmosphere is a little less formal and more conversational 6pm~7pm (approx. 1hr) Innovation E102.

WEEKLY HOMEWORK: I will be using TopHat for weekly graded quizzes associated with the lectures. These must be completed by 11:55pm on Sunday of week posted for credit. The first quiz is due Sunday January 27th. The schedule is posted on Blackboard.

Sign-up on **tophat.com** \$30. The join code is: **868670** .

LAB: Labs start the week of January 29th. Logistics to be discussed next week. We will use Blackboard for Lab prelabs and postlabs.

EXAMS: **EXAM 1** Thursday 13th February, 6-8PM

EXAM 2 Thursday 19th March, 6-8PM

EXAM 3 Thursday 16th April, 6-8PM

Locations for exams by first letter last name:- A-E= Innov E102 F-O= Billings LH P-Z= Rowell 103

FINAL EXAMS **Section A Friday 8th May. 10:30AM-12:30PM, Innov E102**
 Section B Monday 4th May. 4:30PM-6:30PM, Innov E102

REQUIRED SUPPLIES:- “*Organic Chemistry*”, Klein, 3rd edition, Wiley
“*Organic Chemistry*”, Study guide by same author
Online Access **to TopHat (\$30)**
Lab Notebook and SAFETY GLASSES

RECOMMENDED:- “*Organic Chemistry II*” As a Second Language, Klein, any edition
Molecular Structure Model Kit, HGS

COURSE GRADE: The course grade will be based on three mid-semester exams and a compulsory, cumulative final exam. Of the three mid-terms the lowest grade will be dropped. No curves are applied to the mid-semester exams and the class average for the exams may vary depending on the complexity of the material. Try your best on all the exams. Attendance at an exam is not required and zero can be considered as your lowest grade. The final exam grade will not be dropped.

Each mid-semester exam will constitute 20% of your grade, the Final will constitute 25%, providing 65% of your course grade. The lab component of the course will deliver 25%. The final 10% will come from the TopHat online homework.

3 exams (best two mid-terms (20% each) and the final (25%))	65%
Lab grade	25%
TopHat weekly graded homework	<u>10%</u>
	100%

COURSE ETIQUETTE:

Organic chemistry has a scary reputation. It is best thought of as a new language or skill. As with any skill some people can become adept faster than others. All of you are capable of successfully completing this course with the right attitude and determination.

Recommendations:-

1. Attend class with a clear and inquisitive attitude.
2. While in class FOCUS on understanding the material. Do NOT text, check Facebook or emails. This is a waste of your time, money, disrespectful to me and the other students around you who are trying to learn. I know everyone gets distracted at times, just try to regain your composure as quickly as possible.
3. After class review the material, read the sections in the textbook. Try the recommended problems, work on the weekly problemset for Thursday, finish the weekly graded online problems for Sunday.
4. Speak respectfully to your fellow students, your TA and me. All the challenges presented to you are designed to encourage you to learn this valuable material.
5. Try to find answers to your own problems by checking the course syllabus, lab logistics or Blackboard. Then, if you still don't find the answer, after looking, check in with me or your TA. “Would you stand in-line to have this question answered?”
6. All course materials (both yours and mine) are protected by copyright. I cannot copy or post your written material and you cannot post any course materials such as blanks of the exam, reviews or notes online. Lectures may not be recorded without permission.
7. All students are expected to honor the UVM codes of conduct and academic integrity.
8. Post-bac premed students: do NOT solicit letters of recommendation. I will make offers as merited.
9. Work hard and have fun!! A.W.