

Organic Chemistry
Chemistry 141
Summer 2021

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Welcome to Organic Chemistry. The reactions and structures you learn throughout this semester are cumulative and will be applied to discussions later in the semester and into the spring.

AIMS: At the end of this course (and Chem142) 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.

LECTURES: 9AM-12PM M/T/W/Th/F, Innovation E102

EXAMS: see below, Tuesday 6/1, Monday 6/7, 6/14, and Final Friday 6/18

OFFICE HOURS: by appt.

COURSE SCHEDULE:

May					
Mon 24 th	Tue 25 th	Wed 26 th	Thu 27 th	Fri 28 th	Sat 29 th
		Lab 1 Last day Add/Drop	WileyPLUS Ex 1	Lab 2	WileyPLUS Ex 2
Mon 31 st	Tue 1 st	Wed 2 nd	Thu 3 rd	Fri 4 th	Sat 5 th
Holiday	EXAM 1	Lab 3	WileyPLUS Ex 3	Lab 4	WileyPLUS Ex 4
Mon 7 th	Tue 8 th	Wed 9 th	Thu 10 th	Fri 11 th	Sat 12 th
EXAM 2 Lab 5		Lab 6	WileyPLUS Ex 5 Last day Withdraw	Lab 7	WileyPLUS Ex 6
Mon 14 th	Tue 15 th	Wed 16 th	Thu 17 th	Fri 18 th	
EXAM 3 Lab 8		Lab 9	WileyPLUS Ex 7	FINAL EXAM	

ONLINE HOMEWORK: We will be using WileyPLUS for graded quizzes associated with the lectures. These must be completed by 11:55pm on the due date, no late quizzes for any reason.

REQUIRED SUPPLIES:- “*Organic Chemistry*”, Klein, 4th edition, Wiley (see end of syllabus for ISBNs and UVM Bookstore options or direct from Publisher option

Online Access to WileyPLUS

Lab Notebook and SAFETY GLASSES

RECOMMENDED:- “*Organic Chemistry I*” 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. 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 WileyPLUS online homework.

3 exams (best two mid-terms (20% each) and the final (25%))	65%
Lab grade	25%
WileyPLUS 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 skillful 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.
3. After class review the material, read the sections in the textbook. Try the recommended problems, complete the graded online problems early so you can ask questions should you have any.
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. Changes to the syllabus and lab may occur. As much notice as possible will be provided if changes are required.
10. Work hard and have fun!! A.W.

UVM Bookstore

Organic Chemistry, Fourth Edition e-BOOK and WileyPLUS ISBN: 978-1-119-76106-8 **\$144**

Organic Chemistry, Fourth Edition Loose-Leaf, e-book and WileyPLUS ISBN: 978-1-119-76111-2 **\$180**

Direct from Wiley

<https://www.wiley.com/en-us/Organic+Chemistry%2C+4th+Edition-p-9781119659594>

(lots and lots of options)