Organic Chemistry
Chemistry 142
Spring 2022

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Welcome back to Organic Chemistry. It really was a great fall, getting to know you and being back in the labs and classrooms. I hope you are excited for another great semester.

AIMS: This is a sequential class; successful completion of Chem 141 is a requirement. Skills from that course will be required in Chem 142. At the end of this course a competent student will have developed skills and knowledge that will 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.

INCLUSION STATEMENT: It is my intent to create a learning environment within which everyone is treated respectfully and has a fair opportunity to succeed. In line with that, I intend to enthusiastically welcome you all; wherever you are from, whomever you are, what you look like or what your beliefs are.
Organic chemistry is challenging. And yet, I think we can approach it with a fun, open mindset. I will probably laugh at some of my own mistakes and/or the challenges of being a human. However, I will not tolerate behavior or communications that marginalize anyone. We are here to work together to learn chemistry to solve problems and better understand the world around us.

LECTURES: Lectures will be held in Innovation E102, 'live' on MS Teams and videos of the lectures can be found there too. Be aware the WiFi in Innovation isn't great and the videos sometimes break up. I will use Notability and have the meeting Chat on another device so I can see and answer questions, from remote learners. If your question is complicated, you may turn on your mic/video to ask. Generally, it will be better for bandwidth if you mute your mic/video. The class notes will be posted on Blackboard.

Section A 10:50AM-11:40AM Mon/Wed/Fri
Section B 3:30PM-4:45PM Mon/Wed

OFFICE HOURS: Mondays, Wednesdays and Fridays 1:30-2:30pm or by appointment
I am happy to meet, get to know you, chat about your challenges and resolve topics from class. I suggest you email me two times that would work for you and we can meet in my office (E335 Innovation) or on Teams.

WEEKLY REVIEW: Each week, I will post a few problems to be discussed during our Review sessions. The Review sessions will start on Thursday the 27th of January, in Innovation E102, and on Teams, at 6pm. The atmosphere is a little less formal and more conversational and lasts about an hour. Feel free to arrive or depart early if you are juggling other commitments.

WEEKLY HOMEWORK: Building confidence and understanding of organic chemistry takes practice. The weekly graded homeworks are designed to help with the cumulative habit of studying consistently throughout the semester. We will be using **WileyPlus** for the weekly quizzes. There will be two quizzes each week; one for practice (ungraded) and one graded. The first quiz will be due on Sunday January 30th. No late quizzes will be accepted for any reason. The purpose is to keep up-to-date with the topics we discuss in class.

LABS: Labs start the week of January 31st. The logistics will be discussed next week.

EXAMS:

Exam 1	**February 17th**
Exam 2	**March 24th**
Exam 3	**April 21st**
Final Exams	**Chem 142A May 9th 10:30AM, Chem 142B May 10th 4:30PM**

Any conflict with an exam date or time must be resolved a week in advance. Alternate exam times must be prior to the schedule time, no late exam, no exceptions. ACCESS students will be able to use the EPC for their exams. Exam locations to be determined.

REQUIRED SUPPLIES:- "*Organic Chemistry*", Klein, 3rd edition, Wiley

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. 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 graded homework	10%
	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. Try to reengage as quickly as possible.
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 useful 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 course may occur. As much notice, as possible, will be provided if changes are required.
10. Work hard and have fun!! A.W.