

Organic Chemistry
Chemistry 142
Spring 2016

Alexander (Sandy) Wurthmann
Office: A134 Cook Physical Sciences tel: 656-8999
Alexander.Wurthmann@uvm.edu

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 10:50AM-11:40AM M/W/F Votey 105
3:30-4:45PM M/W Votey 105

OFFICE HOURS: 1:30PM- 2:30PM, M/W and 1-2PM on Thursdays, or by appt.

THURSDAY EVENING REVIEW: Each Friday I will email (and post on Blackboard) a few problems to be discussed at the following Tuesday 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) Marsh Life Sciences 235.

WEEKLY HOMEWORK: I will be using Sapling Learning 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 31st. The schedule is posted on Blackboard.

We will use the same platform for Lab prelabs and postlabs.

\$30 for lecture quizzes or \$45 for lecture and lab. Sign-up on saplinglearning.com

LAB: Labs start the week of February 1st. Logistics to be discussed next week.

EXAMS: **EXAM 1** Thursday 25th February, 6-9PM
EXAM 2 Thursday 24th March, 6-9PM
EXAM 3 Thursday 21st April, 6-9PM

Locations by first letter last name:- A-E = Votey 105, F-Z = MLS 235

Any conflicts with an exam date or time must be resolved a week in advance. Alternate exam times must be prior to scheduled exam time, no late exams, no exceptions.

FINAL EXAMS Section A Friday 6th May. 10:30AM-1:15PM, Votey 105
Section B Friday 13th May. 1:30PM-4:15PM, Votey 105

REQUIRED SUPPLIES:- “Organic Chemistry”, Klein, 2nd edition, Wiley
“Organic Chemistry”, Study guide by same author
Online Access to Sapling Learning (lecture and lab quizzes \$45)
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 Sapling Learning online homework.

3 exams (best two mid-terms (20% each) and the final (25%))	65%
Lab grade	25%
Sapling Learning 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 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, 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. I will try to help you learn the material in this course so you can competently understand the central importance of organic chemistry for other more advanced topics. 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.
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. Work hard and have fun!

A.W.