

Organic Chemistry Chemistry 42 Spring 2015

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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 a successful student will be able to answer questions on the following themes:-

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: 9:35-10:25AM M/W/F

OFFICE HOURS: 10:30AM- 11:30AM, M/W/F or by appt.

WEDNESDAY EVENING REVIEW: Each Friday I will email a few problems to be discussed at the following Wednesday Evening Review. This is a perfect opportunity to practice problems and work through some of the tricky points in regards to the new concepts. The 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 6:15-7:15PM (approx. 1hr) Angell B106.

WEEKLY HOMEWORK: I will be using Sapling for weekly graded problems. I will post the questions on Wednesday and they must be completed by midnight on Sunday of that week for credit. We will begin the Wednesday January 28th, so you have time to register.

LAB: Labs start the week of January 26th. Schedule and logistics discussed next week.

EXAMS: **EXAM 1** Wednesday 18th February, 6:15-9:15PM

EXAM 2 Wednesday 18th March, 6:15-9:15PM

EXAM 3 Wednesday 15th April, 6:15-9:15PM

Exam locations will be assigned by first letter of your last name. Any conflicts with an exam date or time must be resolved a week in advance. Alternate exam times must be prior to scheduled exam times, no late exams, no exceptions.

FINAL EXAM, May 8th 2015. 7:30AM-10:15AM, Angell B106

REQUIRED SUPPLIES:- “*Organic Chemistry, A Short Course*”, Hart, Hadad, Craine, Hart, UVM Custom, Cengage.

“*Organic Chemistry*”, Study guide by same authors

Online Access to Sapling

Lab Manual available from 1st floor stockroom of Cook Building

Lab Notebook and SAFETY GLASSES

RECOMMENDED:- Molecular Structure Model Kit, HGS, available UVM bookstore

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 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 online homework.

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| 3 exams (best two mid-terms (20% each) and the final (25%)) | 65% |
| Lab grade | 25% |
| Sapling 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 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.