

CHEMISTRY 343

Lectures 1 and 2, Fall 2014

Introductory Organic Chemistry: 3 credit hours

Lecture 1: 9:55-10:45 AM MWF, 1351 Chemistry

Lecture 2: 11:00-11:50 AM MWF, 1361 Chemistry

Instructor Information: Dr. Oana Martin omartin@chem.wisc.edu
2132 Chemistry (890-0794)

Office Hours: M,W, F 1:00-2:00 PM, 2132 Chemistry
or email for an appointment

Teaching assistants:

Lecture 1
Julie Alderson jalderson@chem.wisc.edu
Stacy Maynard smaynard@chem.wisc.edu
Nick Walters nawalters@chem.wisc.edu

Lecture 2
Jackie Brown jackie.brown@chem.wisc.edu
Eileen Burke egburke@wisc.edu

Texts & Materials

Required:

1. Textbook: Organic Chemistry 5th edition by Marc Loudon
2. iClicker: Lectures will make use of student vote on concept tests, surveys and other questions. You will need to buy an iClicker radio-frequency clicker and bring it to every lecture. These can be purchased at the University Bookstore.

Recommended:

1. Solution Manual Organic Chemistry 5th edition
2. Molecular Model Kit: Several model kits are available online, at the UW Bookstore, and from AXΣ in the Mills Street Atrium of the Chemistry Building. It is not important which model kit you acquire, all are helpful.
3. ChemDraw ([ChemDraw 14 Download Instructions](#)) As a UW student, you get ChemDraw free! I highly recommend downloading the software and using it whenever you are sending an email question to a classmate, myself, or a TA. It is the same software that we use to draw all the molecules for your problem sets, quizzes, and exams.

Course Organization and Expectations

You will need to devote considerable outside-of-class time to studying organic chemistry. A recommended study strategy for this course is this: 1) read the assigned material in the textbook before each class session, 2) attend class and take your own notes, 3) as soon as possible after class, review the lecture notes and begin to work on the problem set. ***Do not wait for the answer key to be posted to start the problem set.***

When you encounter problems that you cannot solve, refer to the textbook, your notes, or your fellow students. Forming a study group to work through problems is an excellent way to learn organic chemistry. The best way to understand organic chemistry is constant practice.

Due to the cumulative nature of organic chemistry, you will need to constantly review previous material to be able to understand complex concepts and solve problems. Some problem sets will contain review material with the purpose of emphasizing the connections between concepts and also preparing you for exams.

Lecture

The purpose of lecture is to provide an organizational framework, discuss principles, and present illustrations and demonstrations. Dr. Martin will not describe or explain everything you should learn; rather, she will indicate what topics you should study and provide insights into those topics. Lectures will also give you an opportunity to think about these topics and see whether you understand them. You should take notes during lecture; note taking should be an active, thinking process. Your notes should reflect your understanding of what you heard and saw. Dr. Martin will provide opportunities for you to test your understanding of particular concepts through in class clicker questions. If there are particular concepts or ideas that are not clear to you feel free to ask Dr. Martin or your TA about them during class, after class, by email, or in office hours. Sample lecture notes taken by a Teaching Assistant will be posted in Learn@UW shortly after each lecture; don't rely on these notes in place of your own, but, if you need to miss a class, they are an acceptable substitute.

Discussion

The discussion sections with your TA are a very important part of your learning process. The discussions serve to deepen your understanding of the course material. You will have a chance to talk to your TA about problem solving strategies, difficult course concepts, and address common misconceptions. You will learn a lot more if you are engaged in conversations about course content.

There will be points associated with your participation in discussion sections. You earn these points by attending and participating in discussion. If you miss lecture or your discussion section, it is very likely that you will have poor results come exam time. We cover a lot of material in very little time. Sometimes the discussion sessions will cover certain concepts in more depth than the lecture and your participation will be reflected in your grade.

Office Hours

Dr. Martin's office hours are listed at the beginning of this Syllabus. If you have a schedule conflict or you need additional help, you can email for an appointment. The most successful students take good advantage of office hours on a weekly basis. They usually come prepared with lists of questions and clearly identified problems that they needed help solving. This leads to great discussions and a very effective use of time. Your TAs will be holding office hours and you are highly encouraged to attend and get some one-on-one and small group help with the problem sets. A schedule of office hours will be posted in Learn@UW.

Quizzes

There will be five quizzes during discussion, each worth 25 points (see course schedule for the dates). You have to attend discussion on the quiz dates to be able to take the quiz and earn points. There are no makeup quizzes and to account for a possible unexpected emergency the best four out of five scores will be considered towards your grade.

Exams

There will be three in class midterm exams of approximately 50 minutes each and a 2-hour final exam. The exact dates for the exams are listed in the course schedule. All exams are cumulative due to the nature of the course material. There are no makeup exams but if you have an unavoidable conflict, contact Dr. Martin well in advance. The rooms in which you will take each exam will be announced later. **If you have any type of special need, options are available to take the exam at an alternate time or place; please contact Dr. Martin as soon as possible to make the arrangements.**

Exam re-grades: Mistakes in exam grading could be made and you will have an opportunity to submit your exam for regrading. Clear instructions will be posted in Learn@UW. DO NOT under any circumstances change an answer and submit it for a re-grade. This is academic misconduct and will be dealt with harshly.

Electronic Mail

We strongly recommend that while you are a student you use your @wisc.edu email address to send and receive email and forward your other email accounts to the @wisc.edu account. You are encouraged to contact Dr. Martin or your TA by email if you have questions about anything to do with the course. You should receive a response within 24 hours. Please remember to be very clear when wording your questions via email. Pictures of structures from your phone, scanner, or ChemDraw are very helpful.

Grades

Your grade will be based on a maximum of 630 points divided as follows:

Three midterm exams @ 100 points each <i>(dates and times are listed in the course schedule)</i>	300 points
Final Exam <i>(date and time are listed in the course schedule)</i>	200 points
Quizzes @ 25 points each (best four out of five)	100 points
Discussion points*	15 points
Clicker points**	15 points
=====	
Total	630 points

* Based on attendance and participation in the discussion sessions.

** Based on answering in-class clicker questions.

The final letter grades are based on % out of 630 total points will be based on the following scheme:

A	90% points or more
AB	87% to 89.9%
B	81% to 86.9%
BC	78% to 80.9%
C	65% to 77.9 %
D	60% to 64.9 %

Some adjustments will be made at the end of the semester to reflect the historic averages of Chem 343 with a course GPA near 2.74. These adjustments will most likely improve the letter grade based on the absolute scheme above.

Health or Disability Concerns

All students at UW are entitled to an accessible, accommodating, and supportive teaching and learning environment. The provision of reasonable accommodation for students with disabilities is a shared faculty and student responsibility. Students are expected to inform their professor of their need for accommodation; the professor and TA are expected to make the reasonable arrangements. If you have special needs, please contact Dr. Martin and your TA at your earliest convenience.

Academic Misconduct

Academic misconduct includes and is not limited to acts in which a student seeks to claim credit for the work or efforts of another without authorization or citation, uses unauthorized materials or fabricated data in any academic exercise, forges or falsifies academic documents or records, intentionally impedes or damages the academic work of others, engages in conduct aimed at making false representation of a student's academic performance, or assists other students in any of these acts. Each student in this course is expected to work entirely on her/his own while taking any quiz or exam. Academic misconduct can result in assignment of "F" by the course instructors as the final grade for the student and any additional actions mandated by University policy.

The two most common forms of academic misconduct in this course are related to re-grades and sharing information about quizzes/exams. Do not talk to people/share information about the quiz if they haven't taken the quiz. Do not look at someone else's quiz or exam when you are taking it. Do not change your answers on your exam and ask for a re-grade.

Additional Help

In addition to office hours, there are other places where you can find assistance.

The Organic TA Office is in room B317. There is a schedule posted outside the door of various TAs and when they will be available to help you. You are encouraged to see any TA present in the office, even if they are not currently teaching Chem 343.

Alpha Chi Sigma Chemistry Fraternity has offered tutoring for chemistry classes in the past. Please contact them about their current help sessions.

GUTS offers tutors as well. They can be contacted at:

Student Activity Center
Office #4413
333 E Campus Mall
Madison, WI 53715-1380
Phone: 608-263-5666
E-mail: guts@rso.wisc.edu

<http://guts.studentorg.wisc.edu/>

There are also private tutors available. The General Chemistry Office (Room 1328) has a list of tutors and prices.