CHM 2211_0003
Organic Chemistry II
3 credits
Spring 2013
Jingdong Ye

Lecture Hrs: MWF 11:30-12:20pm
Room: CL1 121
Course Website: Webcourses2@UCF
Syllabus, lecture notes, textbook assignments and
test keys will be posted here.
Textbooks (UCF bookstore):
- and
- David Klein, Student Study Guide & Solutions
  Manual, 1st Ed.

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<tr>
<th><strong>Contacting the Professor</strong></th>
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<tr>
<td><strong>Office Hrs:</strong> MWF 10:30-11:30, extra hours by appointment only</td>
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<td><strong>Office:</strong> PS 209 or PS 219</td>
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**Course Description:**
This course is a continuation from Organic Chemistry I. Your instructor is very enthusiastic about building up your knowledge base in organic reactions. We’ll cover chapters 15-24 from our text book. As time permits, we’ll also cover selected topics from chapters 25-26. You should already be completely familiar with the material from chapters 1-14 from the prerequisite course CHM 2210, Organic Chemistry I.

**Course Objectives:**
- Understand and appreciate how organic chemistry relates to Biology, Medicine, Forensic Science, Chemistry, Pharmacy, etc.
- Prepare for courses having CHM 2211 as a prerequisite.
- Gain understanding and problem solving ability in organic chemistry sufficiently to pass an American Chemical Society standardized test.
- Inspire scientific curiosity in deeper learning and creativity in drug design in your future career (for some of you).
**Course Requirements and Recommendations:**

- CHM 2210 (Organic Chemistry I) is a prerequisite. All students must have already earned passing grades in CHM 2210 and have sufficient current mastery of that material to build on in this semester.

- Take all tests and the final exam at the scheduled times.

- Class attendance is required but not tracked.

- Read each chapter before it is covered in the lecture. Be ready to ask and/or respond to questions in class.

**Grading:**

- 3 Mid-term Exams (66%. Each exam is worth 22% and no exam will be dropped) Midterm exams will focus on the material covered since the last midterm or the beginning of the course, but may also be cumulative for previously covered material.

- **Final Exams (34%)**
  ACS standard tests (covers both Org 1 and 2) will be used.

- Occasionally, extra credits will be given to students who answer questions correctly in class.

- Final grade (on 100 scale): A (90-100), A- (85-89.9), B+ (80-84.9), B (75-79.9), B- (70-74.9), C+ (65-69.9), C (60-64.9), D (50-59.9), F (49.9 or lower)

**Withdrawal deadline:**
Monday, 3/11, 11:59 pm.

**Tentative Test dates (may subject to change according to progress):**

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<tr>
<th>Test</th>
<th>Date</th>
<th>Time</th>
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<td>Midterm I (Ch 15-17)</td>
<td>Fri, 2/1,</td>
<td>11:30-12:20pm</td>
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<tr>
<td>Midterm II (Ch 18-20)</td>
<td>Fri, 3/1,</td>
<td>11:30-12:20pm</td>
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<td>Midterm III (Ch 21-23)</td>
<td>Fri, 4/5,</td>
<td>11:30-12:20pm</td>
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<td>Final</td>
<td>Wed, 4/24,</td>
<td>10-noon</td>
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UCF test scoring Test Forms (pink) are available at the UCF bookstore and are required for all three Mid-terms and Final.

**Textbook exercises:**
All textbook problems are required homework. They will not be collected or graded but are intended to prepare you for the tests. Do homework in the following sequence: questions referred on my slides → all skill builder questions → after chapter questions.
Grading system:
Exam grades will be assigned on a traditional curve.

Grade and score distribution:
Scores/grades will be posted in the gradebook within the Canvas learning management system (webcourses2@ucf). Questions regarding scores or grades will not be answered via email or telephone due to FERPA laws.

Makeup exam policy:
Makeup exams are only for university approved excuses only and by appointment only.

SARC free tutoring:
http://www.sarc.sdes.ucf.edu/

Distractions:
In consideration of others, please silence all cell phones in class and refrain from audible conversation.

Academic honesty:
Complete academic honesty is expected in all matters. Any act of cheating will be fully prosecuted according to university regulations. Please consult the current Undergraduate Catalog and/or The Golden Rule for definitions and policies (http://www.goldenrule.sdes.ucf.edu/).

Key to Success in Organic Chemistry:
- **Read the textbook before that material is covered in class.** The first time through does not require you to become an instant expert. This is just to provide an overview of what you'll eventually master. Simply go through and enjoy the chapter as much as possible. No need to focus on details yet. You'll be amazed at how much leaks in after only one read-through. You can always go back and read for details later as needed.

- **Stay focused and engaged in class.** Be ready to stop the lecture with a question if something doesn't appear to agree with your reading. If you didn't understand what was just covered, chances are good that other students didn't either. Be a hero and request more explanation. Ideally you'll understand each day's topics before you leave the classroom. Hold the instructor accountable for complete explanations.

- **Lecture slides:** I will post the slides that I use. It contains the basic knowledge for this class. This is the first thing you need to master for my tests.

- **Work all the assigned problems as early as possible** — the earlier the better. There's no substitute for practice. The longer the material is in your command,
the more likely you will retain it for future chapters or for the final exam. There isn't enough time to do all the problems in the last day or two. Also, do as many problems as you can find. The more problems that you do, you'll be more prepared for exams. Practice, practice, practice.

- **Hold yourself accountable for understanding (rather than memorizing).** There's a huge difference between knowing a correct answer and being able to defend how that answer was obtained. Don't settle for anything less than the latter. Some students attempt to memorize their way through the material. Memorizing lots of reagents, reactions, or facts may be helpful temporarily but is rarely sufficient. I don't recommend putting a lot of effort into memorizing until after all or most of the assigned problems have been attempted. Normally the assigned problems give sufficient exposure and practice that recall of reagents becomes automatic.

- **Redo the homework (without looking at the answers) which you didn't do correctly in the first place at least three days later.** This is a test to see if you really understand those questions. The logic here is after three days, your shallow or superficial memory will be lost. What is left to be tested is your real understanding of the question. **This is the second thing you need to master for my tests.**

- **After each test, go over your graded paper right away.** Remember: knowing an answer is less important than knowing how that answer was obtained. Be ready to do something similar when the need arises again later. Redo the test similar to the homework as well. **This is the third thing you need to master for my tests.**

- **Study before exams:** do this sequentially. 1) Master lecture slides including practice questions; 2) Practice on homework. For the final, master midterms and old ACS tests before reviewing homework questions; 3) Do not dive into textbook for exams.