

FLORIDA INTERNATIONAL UNIVERSITY
DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY

Organic Chemistry I - SYLLABUS

CHM 2210-U01
Summer-A 2013
Monday, Tuesday, Wednesday, Thursday — 9:30-11:45, AHC3-110

Dr. Keller
CP 327
305-348-3081

Website: www.fiu.edu/~kellerl

TEXT: Solomons, *Organic Chemistry, 10th Edition*, John Wiley, New York, 2011.

PREREQUISITES: A full year of General Chemistry (2 semesters) with grades of "C" or better.

OFFICE HOURS: I will usually be available for brief discussions at the following times:

Monday, Tuesday, Wednesday, Thursday: noon-12:30 PM and 2:30-3:00 PM, and Friday noon-12:30.

If you require long discussions (over 15 minutes) please make an appointment. If you cannot find me, leave a message.

GRADING POLICY: There will be 3 mid-term examinations and a final. The mid-term exams will be worth 100 points each, and the lowest grade will be dropped. **There will be no make-up exams.** Should you miss an exam, then that will be the one dropped. Remember, **you are expected to take all 3 examinations.**

The final exam will be comprehensive and will count 200 points.

TOTAL POINTS POSSIBLE: 420 (100 each 2 highest midterms, 200 final exam, 20 Sapling)

EXAM SCHEDULE: Because of the shortness of the term, **the three mid-term exams will be given at 8:00-9:30 on the dates shown on the schedule below.** On exam days, lectures will be follow 9:45-11:45.

Sapling Learning - Organic Chemistry Question Sets

Sapling's chemistry questions are delivered in a web browser to provide real-time grading, response-specific coaching, improvement of problem-solving skills, and detailed answer explanations. Dynamic answer modules enable one to interact with 3D models and figures, utilize drag-and-drop synthetic routes, and draw chemical structures - including stereochemistry and curved arrows.

In order to begin working on your Sapling assignments:

1. Go to **<http://saplinglearning.com>**
- 2a. If you already have a Sapling Learning account, log in and skip to step 3.
- 2b. If you have Facebook account, you can use it to quickly create a SaplingLearning account. Click the blue button with the Facebook symbol on it (just to the left of the username field). The form will auto-fill with information from your Facebook account (you may need to log into Facebook in the popup window first). Choose a password and timezone, accept the site policy agreement, and click "Create my new account". You can then skip to step 3.
- 2c. Otherwise, click "Create Account". Supply the requested information and click "Create My New Account". Check your email (and spam filter) for a message from Sapling Learning and click on the link provided in that email.
3. Find your course in the list (you may need to expand the subject and term categories) and click the link: **Florida International University - CHM 2210 - Summer13 - KELLER**
4. Select a payment option and follow the remaining instructions.
5. Work on the Sapling Learning training materials. The activities, videos, and information pages will familiarize you with the Sapling Learning user environment and serve as tutorials for efficiently drawing molecules, stereochemistry, etc. within the Sapling Learning answer modules. These training materials are already accessible in your Sapling Learning course.

Once you have registered and enrolled, you can log in at any time to complete or review your homework assignments. During sign up - and throughout the term - if you have any technical problems or grading issues, send an email to support@saplinglearning.com explaining the issue. The Sapling support team is almost always more able (and faster) to resolve issues than your instructor.

SAPLING GRADING POLICY: Please ensure that you are signed up correctly (especially your PantherID number) as this will ensure that you get points for your work at the end of the semester.

There will be two sets of questions for each chapter: 10-15 questions for practice and 10-15 questions for credit. You will receive all 20 points at the end of the semester (out of 420 total points [see above under "GRADING POLICY"]) if you have an average of 80% or higher on each of the for-credit assignments. If you have lower than an 80% average, you will receive fewer than 20 points at the end of the semester. You can attempt a for-credit problem as many times as you'd like, but there will be a 5% point deduction on that question for each unsuccessful attempt. You will receive no credit for a given question if you look at the correct answer before submitting your final answer. You may attempt practice questions as many times as you wish. For-credit questions will be available until the day of the midterm exam. After the deadline, questions may be used for practice until the end of the semester.

TENTATIVE LECTURE SCHEDULE

May 13	Chapter 1	Carbon Cmpds & Bonding	June 3	Chapter 6	Nucleophilic Substitution (cont'd)
14	Chapter 1	cont'd	4	Chapter 6 Chapter 7	cont'd Alkenes & Alkynes I
15	Chapter 2	Functional Groups & Intermolecular Forces	5	Chapter 7	cont'd
16	Chapter 2 Chapter 3	cont'd Intro to Reactions; Acids & Bases	6	Chapter 7	cont'd
20	Chapter 3	cont'd	10	EXAM II	Chapters 5, 6, 7
21	Chapter 4	Nomenclature & Conformations	10	Chapter 8	Alkenes II: Addition Reactions
22	Chapter 4	cont'd	11	Chapter 8	cont'd
23	Chapter 4 Chapter 5	cont'd Stereochemistry	12	Chapter 10	Free Radicals
27	No Class	Memorial Day	13	Chapter 11	Alcohols and Ethers
28	EXAM I	Chapters 1,2,3,4	17	Chapter 11	cont'd
28	Chapter 5	Stereochemistry (cont'd)	18	EXAM III	Chapters 8, 10, 11
29	Chapter 5	cont'd	18	Chapter 12	Alcohols from Carbonyls
30	Chapter 6	Nucleophilic Substitution	19		Semester Review
			20	FINAL EXAM	Comprehensive Chapters 1-8, 10-12