

## Syllabus

## CHM 2210 - Organic Chemistry I; Section 0766; Spring 2013

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**Instructor & Contact Information.** Prof. Brent S. Sumerlin; [sumerlin@chem.ufl.edu](mailto:sumerlin@chem.ufl.edu); PH: 352-392-0563; Office: Sisler 301

**Class Time & Location.** Monday, Wednesday, Friday, 8:30AM – 9:20AM; Classroom: Flint 50

**Office Hours.** Wednesday 2:00-3:00, Thursday 8:30AM-9:20AM (Sisler 301) – Subject to change

**TA Office Hours.** 8:30AM-6:00PM Mon-Fri (Organic Learning Center, Flint 258)

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**Course Description.** The first half of the CHM 2210/2211 sequence, intended for majors and pre-professional students. A study of the structures, syntheses, and reactions of organic compounds.

**Prerequisites.** CHM 2046 and CHM 2046L or the equivalent.

**Learning Outcomes/Objectives.** Upon completion of this course, a successful student will be able to:

- Discuss the basic concepts of organic chemistry;
  - Identify the nomenclature, stereochemistry, physical/chemical properties, and reactivity of organic compounds;
  - Suggest and predict basic reaction mechanisms and the underlying chemical principles at work;
  - Explain how organic chemistry is operable in living organisms and in the world at large.
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**Required Textbook.** Brown, Foote, Iverson, Anslyn. *Organic Chemistry, Sixth Edition*; Brooks/Cole, 2011. (ISBN 084005498X)  
<http://www.amazon.com/Organic-Chemistry-William-H-Brown/dp/084005498X>

**Required Study Guide.** Iverson, Iverson. *Study Guide with Student Solutions Manual*; Brooks/Cole, 2011. (ISBN 1111426813)  
<http://www.amazon.com/Student-Solutions-Iverson-Anslyns-Chemistry/dp/1111426813/>

**Where to buy the books.** <http://www.cengagebrain.com/micro/ufchem>

**Recommended Model Set.** A molecular model set is highly recommended. One example is: [http://www.amazon.com/Molecular-Structure-Model-Organic-Chemistry/dp/0805302603/ref=sr\\_1\\_2?s=books&ie=UTF8&qid=1357153736&sr=1-2&keywords=HGS+Molecular+Structure](http://www.amazon.com/Molecular-Structure-Model-Organic-Chemistry/dp/0805302603/ref=sr_1_2?s=books&ie=UTF8&qid=1357153736&sr=1-2&keywords=HGS+Molecular+Structure)

**Supplementary Sources.** Organic Chemistry Textbooks by: Smith, Carey, Wade; McMurry; Bruice.

There are also online resources useful for more information, including OWL. For others, see:

<http://www2.chemistry.msu.edu/faculty/reusch/VirtTxtJml/intro1.htm>

[http://chemwiki.ucdavis.edu/Organic\\_Chemistry/Organic\\_Chemistry\\_With\\_a\\_Biological\\_Emphasis](http://chemwiki.ucdavis.edu/Organic_Chemistry/Organic_Chemistry_With_a_Biological_Emphasis)

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**e-Learning Website.** All students have access to the e-Learning website: <https://lss.at.ufl.edu/>

Login with your Gatorlink account username and password. Lecture outlines will be posted on e-Learning prior to each class. Check e-Learning the day before each class; the posted lecture notes should be downloaded and printed *before each class* so that you can bring them with you. You will need them. The site will also be used for making announcements, recording grades, and listing practice problems. Additional materials that supplement the text may be posted. Homework problems for each chapter will be available as well.

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### Class Requirements.

1) Three exams (100 points each; your lowest exam score will be dropped; 200 points total)

2) Final examination (100 points; the final exam score cannot be dropped)

**Total = 300 possible points**

**Note:** For reasons of privacy, grades will not be discussed by email. All grades will be posted on e-Learning. If you have questions about your grade, you should come to office hours to discuss your questions/concerns with me.

Current UF grading policies for assigning grade points: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

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**Exams.** There will be three in-class (50 minute) exams given during the semester. The lowest score of the three in-class exams will be dropped. The exams will cover the material discussed up until the time of the exam, unless otherwise indicated. Please bring and display your Gator1 Card for the exams. There will be no make-up exams given. If you miss a single exam with an unexcused absence (see section titled "Exam Absence Policy" for the limited definition of what qualifies as an excused absence), the resulting exam grade (zero) will be the one exam score that is dropped. If you miss another exam, a grade of zero will be assigned, and it will not be dropped. The grades on the exams *may* be "curved."

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**Exam Absence Policy.** This course administers all conflicts with scheduled assessments and examinations in accord with University policy. As such, certain unavoidable absences by students from examinations are allowed, if properly documented and disclosed to Dr. Sumerlin at least one week before the anticipated conflict. Such allowed absences include, but are not limited to, religious observances, sanctioned sporting events, military obligations, and court-imposed legal obligations. In such cases, provided documented notice was made to Dr. Sumerlin one week in advance of the exam date, students will be given the opportunity to take a *conflict exam*, which takes place shortly before the scheduled assessment for the class.

No exams will be administered to absent or otherwise compromised students for a grade *after* the established and scheduled assessment time. Exams for credit given to excused students after the rest of the class is given their exam are herein defined as *makeup exams*; no makeup exams are given in this course.

Unpredicted absences due to medical emergencies are not covered under the above conflict exam policy. If the time and severity of the emergency is severe enough to make continuation in scholastic activity impossible for the rest of the term, a medical withdrawal is strongly advised. If the condition warranting the absence at a scheduled exam is unexpected, relatively minor, and can be recovered from in short order, the student must provide verifiable documentation of the medical emergency to Dr. Sumerlin within a timely fashion of the scheduled assessment date. The student is expected to makeup all work associated with the examination by completing the exam honestly under the instructions given with the exam without unauthorized assistance and then self assessing the performance using the published (on-line) exam solution. If proper verifiable documentation of the medical emergency and the worked and self-graded exam are presented and prove acceptable to Dr. Sumerlin at the time the student is ready to restart his/her academic pursuits, the instructor and student together decide to either: 1) allow the final exam score to count as the score for the missed exam or 2) begin the process for the request of a medical withdrawal from the course by the student. No makeup exams (as defined above) are ever given.

The dropped exam policy exists allows your lowest exam score to be omitted (as outlined in the "Exams" section) without any documentation or justification needed. Therefore, you can be absent for one exam *without* having to provide the detailed documentation or prior notification required for the excused absences detailed above. The dropped exam policy is not meant to replace the UF exam absence policy for the conflicts described above, merely to extend these for the benefit of the student.

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**Final Examination.** The final examination will be cumulative and the grade cannot be dropped. Bring and display your Gator1 Card for the final.

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**Homework.** Homework problems will be assigned as we move along during the semester. Homework assignments will not be collected or graded. However, faithfully and relentlessly completing the homework is one of the critical steps for mastering organic chemistry. Do not get behind on the homework. This is not a course in which you can "cram" before an exam. If you begin studying just two days before the exam, you will likely not do well. Stay on top of all reading, notes, and homework. A successful student typically spends 2-3 hours per day studying and completing homework problems in this course.

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**Regrading.** If you have a question concerning the grading of an assignment, you may submit the entire assignment for complete regarding, provided no part of your answers was written in pencil or erasable ink. Your score may increase or decrease accordingly. The exam must be submitted for regrading by the second class meeting after the date the assignment was returned to the class. This means that exams handed back on Monday should be submitted for regrading by the end of class on Friday. Please note that your graded exams may be photocopied prior to being returned to you.

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**Office Hours.** Subject to change, office hours will be held Wednesdays at 2:00PM-3:00PM and Thursdays from 8:30AM-9:20AM in 301 Sisler. If you have class during *both* of these times, email me for an appointment (Please include "CHM 2210" in the subject line and suggest 2 or 3 times/dates in your message). Additionally, students are encouraged to visit the Organic Chemistry Learning Center (OCLC), located in Rooms 257 and 258 in Flint Hall. This Center is staffed with Graduate Student Teaching Assistants in the mornings and afternoons Monday–Friday. The open hours of the OCLC are roughly 8:30 am to 6:00 pm and the final schedule will be posted on e-Learning.

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**Attendance.** Attendance for lectures is not mandatory. However, this is fast-paced course where low attendance will almost certainly lead to your demise. The notes posted on e-Learning are not complete.

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**Classroom etiquette.** Cell phone use/text messaging is strictly prohibited in the lecture hall at all times. Hats must be worn backwards during exams.

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**Dropping the course.** Visit the chemistry undergraduate coordinator: Dr. Tammy Davidson, 429 Sisler, (davidson@chem.ufl.edu).

**Accommodations for students with disabilities.** Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

**UF Honor Code.** We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.

On all work submitted for credit by students at the university, the following pledge is either required or implied: **"On my honor, I have neither given nor received unauthorized aid in doing this assignment."** "The university requires all members of its community to be honest in all endeavors. A fundamental principle is that the whole process of learning and pursuit of knowledge is diminished by cheating, plagiarism and other acts of academic dishonesty. In addition, every dishonest act in the academic environment affects other students adversely, from the skewing of the grading curve to giving unfair advantage for honors or for professional or graduate school admission. Therefore, the university will take severe action against dishonest students. Similarly, measures will be taken against faculty, staff and administrators who practice dishonest or demeaning behavior."

**Cheating and Plagiarism.** Cheating and/or plagiarism will not be tolerated. The minimum penalty will be an automatic zero on the assignment in question. Suspension from the University may also result. Do not risk it. It is not worth it. Plagiarism consists of passing off as one's own the ideas, words, writings, etc. that belong to someone else. You are committing plagiarism if you copy the work of another person and turn it in as your own, even if you have that person's permission. See:

<http://www.dso.ufl.edu/sccr/honorcodes/honorcode.php>

<http://www.dso.ufl.edu/sccr/honorcodes/conductcode.php>

**Copyright Notice.** All handouts used in this course are copyrighted and may not be copied without my expressly granted permission. "Handouts" include all materials generated for this class, which include but are not limited to syllabi, exams, problems, in-class materials, review sheets, problem sets, or other materials. Tutors and tutoring services are expressly forbidden from copying any or all of these materials. Only students currently enrolled in the class may make a single copy of this material for their personal use.

#### **Tentative Schedule.**

*Note: The material covered on each exam will depend on how far we are in the class. The schedule below is only a rough guideline.*

<b>Week</b>	<b>Monday</b>	<b>Wednesday</b>	<b>Friday</b>
<i>Jan 7-11</i>	Intro/CH 1	CH 1	CH 1
<i>Jan 14-18</i>	CH 1	CH 2	CH 2
<i>Jan 21-25</i>	<i>No class (MLK Day)</i>	CH 2	CH 2
<i>Jan 28-Feb 1</i>	CH 3	CH 3	CH 3
<i>Feb 4-8</i>	<b>Exam 1 (Feb 4)</b>	CH 3	CH 4
<i>Feb 11-15</i>	CH 4	CH 5	CH 5
<i>Feb 18-22</i>	CH 6	CH 6	CH 6
<i>Feb 25-Mar 1</i>	CH 6	CH 6	<b>Exam 2 (Mar 1)</b>
<i>Mar 4-8</i>	----- <i>No class (spring break)</i> -----		
<i>Mar 11-15</i>	CH 7	CH 7	CH 7
<i>Mar 18-22</i>	CH 8	CH 8	CH 8
<i>Mar 25-29</i>	CH 9	CH9	CH 9
<i>Apr 1-5</i>	CH 9	CH 9	CH 10
<i>Apr 8-12</i>	<b>Exam 3 (Apr 8)</b>	CH 10	CH 10
<i>Apr 15-19</i>	CH 11	CH 11	CH 11
<i>Apr 22-26</i>	CH 11	CH 11/Review	<i>No class (reading day)</i>
<i>Apr 29-May 3</i>	<i>No class</i>	<b>Final Exam (May 1) (5:30PM - 7:30PM)</b>	