

CHM 2200 – Organic Chemistry, section 0779 (3 credit hours)
Fall 2011: MWF 2nd (8:30-9:20), Leigh 207

Instructor: Dr. Tammy A. Davidson
Office Hours: MW 3rd period
TF 4th period
(or other times by appointment)

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Course Description: This is a one semester organic chemistry course that will expose the student to the fundamental concepts of organic chemistry. The course is intended for people in programs requiring no more than one semester of organic chemistry. It is not appropriate for chemistry majors or pre-professional students who require two semesters of organic chemistry.

Prerequisites: A passing grade in the final semester of general chemistry (CHM 2046 or its equivalent) is a prerequisite for this course. This course, CHM 2200, is not a prerequisite for CHM 2210 (the first semester of the 2 semester organic sequence), nor does it permit one to go directly to CHM 2211 (the second semester of the 2 semester organic sequence).

Text: W.H. Brown, "Introduction to Organic Chemistry, 4th Edition," John Wiley and Sons (2011)
W.H. Brown, "Student Solutions Manual for Introduction to Organic Chemistry, 4th Edition," John Wiley and Sons (2011)

Exams: Exams in this course will reflect (and sometimes be identical to) the problems given in the text. There will be three in-class exams given on the following dates during the term:

Exam 1 – Friday, September 16th
Exam 2 – Friday, October 14th
Exam 3 – Wednesday, November 16th

Exams will be given only at the scheduled times. **There will be no makeup exams in this course. Any missed exam will be considered your "dropped" exam.** If you have to miss an exam for very serious circumstances beyond your control (travel for university sponsored activity, serious illness, death in the family, etc.), contact me **prior to the exam** to ask for special consideration. Please note that inadequate preparation because of other academic or extracurricular obligations is not considered to be a viable excuse for special consideration.

Final Exam: The final exam for this course is scheduled in group 15B, on Thursday, December 15th from 10:00am – noon. The final exam will be cumulative and cover material presented throughout the semester. **Please note:** The final exam can not be dropped.

Grading: Every student has a bad day from time to time. Therefore, this course is designed to allow you to make some mistakes along the way without your grade plummeting. Your lowest in-class exam score will be dropped prior to the calculation of final grades. Although this grading system allows you to "skip" an exam and still do well in the course, it is to your benefit to take each exam seriously and do your best. Grades are calculated based on the two highest in-class exam scores, worth 100 points each, plus the final exam, worth 150 points, for a total of 350 points available in this course. The grading scale will be set as follows: A ≥ 91.0%, A- = 88.0-90.9%, B+ = 85.0-87.9%, B = 78.0-84.9%, B- = 74.0-77.9%, C+ = 71.0-73.9%, C = 63.0-70.9%, C- = 60.0-62.9%, D+ = 57.0-59.9%, D = 50.0-56.9%, E < 50.0%. There will not be a curve beyond that already included within the grading scale. UF policies for assigning grade points can be found on the Registrar's webpage.

Attendance: Although attendance will not be taken, you will find it to your advantage to attend class on a regular basis. You will find that it is much easier to keep up with the class if you are attending the lecture. If you must unexpectedly miss a single class (due to illness, doctor's appointment, family matter, etc.), it is not necessary to notify the instructor beforehand. However, if you must miss several classes, you should notify the instructor as a courtesy.

Review Problems and Tentative Schedule: In order to be successful in this course, you must be able to apply what you have learned in lecture to new situations. The best way to acquire this skill is to work problems every day. A lot of problems. The more problems you attempt, the more you will learn. All of the study problems contained within the main text of the chapter should be worked. Furthermore, it is strongly recommended that you take the “Quick Quiz” at the end of the chapter, and then start working the “Problems”. Do as many as you can...try at least three or four problems in each section. (A great way to study is to do the odd numbered problems as we move through the chapter, then go back and do the even numbered ones as a way to review for the exams.) Answers and explanations for the problems can be found in the Student Solutions Guide, and additional help can be obtained during office hours. Please note that these problems will not be collected or graded. The course will cover chapters 1-10 and 13-15 (also chapter 17 if time), and the schedule below will be followed as closely as possible:

| Dates | Reading | Topic |
|-----------------------------|--|--|
| August 22, 24, 26 | Ch. 1, 2 | Ch. 1: Covalent Bonding and Shapes of Molecules Ch. 2: Acids and Bases |
| August 29, 31, September 2 | Ch. 2, 3 | Ch. 3: Alkanes and Cycloalkanes |
| September 5 | Labor Day – no classes | |
| September 7, 9 | Ch. 3, 4 | Ch. 4: Alkenes and Alkynes |
| September 12, 14 | Ch. 4 | |
| September 16 | EXAM 1 (Friday) | Chapters 1-4 |
| September 19, 21, 23 | Ch. 5 | Ch. 5: Reactions of Alkenes and Alkynes |
| September 26, 28, 30 | Ch. 5,6 | Ch. 6: Chirality: The Handedness of Molecules |
| October 3, 5, 7 | Ch. 6,7 | Ch. 7: Haloalkanes |
| October 10, 12 | Ch. 7 | |
| October 14 | EXAM 2 (Friday) | Chapters 5-7 |
| October 17, 19, 21 | Ch. 8 | Ch. 8: Alcohols and Ethers (no thiols covered) |
| October 24, 26, 28 | Ch. 9 | Ch. 9: Benzene and Its Derivatives |
| November 2 | Ch. 9, 10 | |
| November 4 | Homecoming – no classes | |
| November 7, 9 | Ch. 10 | Ch. 10: Amines |
| November 11 | Veterans’ Day – no classes | |
| November 14 | Ch. 10 | |
| November 16 | EXAM 3 (Wednesday) | Chapters 8-10 |
| November 18 | Ch. 13 | Ch. 13: Aldehydes and Ketones |
| November 21, 23 | Ch. 13 | |
| November 25 | Thanksgiving – No class | |
| November 28, 30, December 2 | Ch. 14, 15 | Ch. 14: Carboxylic Acids Ch. 15: Functional Derivatives of Carboxylic Acids |
| December 5, 7 | Ch 15, 17 (if time) | Ch. 17: Organic Polymer Chemistry |
| December 15 | FINAL EXAM – 10:00 am-noon in LEI 207 | |

Honor Code: The following statements taken from the University of Florida Honor Code apply to all work in this course.

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 of Florida, the following pledge is either required or implied:

On my honor, I have neither given nor received unauthorized aid in doing this assignment.

Special Needs: Any student with a special need for an accommodation in test-taking or note-taking should register with the Dean of Students Office. That office will provide the student with documentation for presentation to the instructor. Anyone anticipating the need for special accommodation should speak with the instructor early in the semester.

Good luck, and don't be afraid to ask for help if you need it!!