

CHM 2200 – Fundamentals of Organic Chemistry (3 credit hours)
Fall 2014: MWF 2nd (8:30-9:20), Leigh 207, section 0779

Instructor: Dr. Tammy A. Davidson
Office Hours: Monday, 11am-noon
Wednesday and Friday, 10:00-11:30am
(or other times by appointment)

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Course Description: This is an elementary one semester organic chemistry course that will expose students to the more important aspects of organic chemistry. The course is intended for people in programs requiring only 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, 5th Edition," John Wiley and Sons (2014)
W.H. Brown, "Student Solutions Manual for Introduction to Organic Chemistry, 5th Edition," Wiley (2014)

WileyPLUS: <http://edugen.wileyplus.com/edugen/class/cls409631/>. Use this link to access online homework in WileyPLUS. Note that this is not required, but completion of online homework is worth extra credit. See the "Grading" section below for details.

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

Progress Exam 1 – Friday, September 19th
Progress Exam 2 – Wednesday, October 15th
Progress Exam 3 – Wednesday, November 12th

Exams will be given only at the scheduled times. **There will be no makeup exams given in this course.** Students who miss an exam due to extreme, unusual circumstances (serious illness requiring doctor's attention, death in the family, etc.) may request that their final exam score be used to replace the missed progress exam. This option is only available **if I am notified within 24 hours of missing the exam and if proper documentation (doctor's excuse, funeral program, etc.) is provided.** Please note that inadequate preparation because of other academic or extracurricular obligations is not considered to be a viable excuse for special consideration. **Note:** *Any student who anticipates an exam conflict due to religious observance or University-sponsored business should contact the instructor at least one week prior to the exam to arrange for an early exam.*

Final Exam: The final exam for this course is scheduled in group 19A, on Friday, December 19th from 7:30-9:30 AM. The final exam will be cumulative and cover material presented throughout the semester.

Grading Information: 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. Before final grades are calculated, the average of your three progress exams will be used to substitute for your lowest progress exam score. Please note that any exam that is not attempted will be recorded as a grade of zero. This being said, you should take each exam seriously, and do your best. Grades are calculated based on three progress exam scores, worth 100 points each, plus the final exam, also worth 100 points, for a total of 400 points available in this course. Completion of 85% or more of the online homework in WileyPLUS will add 10 bonus points to your score. Lesser completion rates will add a proportional amount of points. The grading scale will be set as follows: A ≥ 90.0%, A- = 87.0-89.9%, B+ = 84.0-86.9%, B = 77.0-83.9%, B- = 73.0-76.9%,

C+ = 70.0-72.9%, C = 63.0-69.9%, 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 to new situations. The best way to acquire this skill is to work review 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 Solutions Manual. Additional help with the problems can be obtained during office hours. Please note that homework will not be collected or graded. The course will cover chapters 1-10 and 12-14, and the schedule below will be followed as closely as possible:

Dates	Reading	Topic
August 25, 27, 29	Ch. 1	Ch. 1: Covalent Bonding and Shapes of Molecules
September 1	Labor Day – no classes	
September 3, 5	Ch. 2, 3	Ch. 2: Acids and Bases Ch. 3: Alkanes and Cycloalkanes
September 8, 10, 12	Ch. 3, 4	Ch. 4: Alkenes and Alkynes
September 15, 17	Ch. 4	
September 19	EXAM 1 (Friday)	Chapters 1-4
September 22, 24, 26	Ch. 5	Ch. 5: Reactions of Alkenes and Alkynes
September 29, October 1, 3	Ch. 5,6	Ch. 6: Chirality: The Handedness of Molecules
October 6, 8, 10	Ch. 6,7	Ch. 7: Haloalkanes
October 13	Ch. 7	
October 15	EXAM 2 (Wednesday)	Chapters 5-7
October 17	Homecoming – no classes	
October 20, 22, 24	Ch. 8	Ch. 8: Alcohols and Ethers (no thiols covered)
October 27, 29, 31	Ch. 9	Ch. 9: Benzene and Its Derivatives
November 3, 5, 7	Ch. 9, 10	Ch. 10: Amines
November 10	Ch. 10	
November 12	EXAM 3 (Wednesday)	Chapters 8-10
November 14	Ch. 12	Ch. 12: Aldehydes and Ketones
November 17, 19, 21	Ch. 12	
November 24	<i>No lecture – see Sakai for online assignment</i>	
November 26, 28	Thanksgiving – No class	
December 1, 3, 5	Ch. 13, 14	Ch. 13: Carboxylic Acids Ch. 14: Functional Derivatives of Carboxylic Acids
December 8, 10	Ch 14	(plus Organic Polymers if time allows)
December 19	FINAL EXAM – 7:30-9:30 AM 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!!