

CHM 2200 – Fundamentals of Organic Chemistry (Section 02EB, 3 credit hours)
Summer A 2018: MTWRF 3 (11:00-12:15), CSE E121

Instructor: Dr. Tammy A. Davidson
Office Hours: Tuesdays 12:30-1:45pm
Wednesdays and Thursdays 2:00-3:15pm
(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," John Wiley and Sons (2014)

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, May 25th
Exam 2 – Friday, June 8th
Exam 3 – Thursday, June 21st

Exams will be given only at the scheduled times. **There will be no makeup exams in this course.** 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. **There will be no formal final exam in this course.**

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 cumulative exam average (including all three exams) will be used to substitute for your lowest 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. Grades are calculated based on three exam scores, worth 100 points each, for a total of 300 points available in this course. The grading scale will be set as follows: A \geq 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. 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 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 problems will not be collected or graded. The course will cover chapters 1-10 and 12-14, with roughly two lecture days per chapter. The following schedule will be followed as closely as possible:

Dates	Reading	Topic
May 14	Ch. 1	Ch. 1: Covalent Bonding and Shapes of Molecules
May 15	Ch. 1,2	Ch. 2: Acids and Bases
May 16	Ch. 2	
May 17	Ch. 3	Ch. 3: Alkanes and Cycloalkanes
May 18	Ch. 3	
May 21	Ch. 4	Ch. 4: Alkenes and Alkynes
May 22	Ch. 4, 5	Ch. 5: Reactions of Alkenes and Alkynes
May 23	Ch. 5	
May 24	Ch. 5	
May 25	EXAM 1	Chapters 1-5
May 28	Memorial Day – no class	
May 29	Ch. 6	Ch. 6: Chirality: The Handedness of Molecules
May 30	Ch. 6	
May 31	Ch. 7	Ch. 7: Haloalkanes
June 1	Ch. 7	
June 4	Ch. 8	Ch. 8: Alcohols and Ethers (no thiols covered)
June 5	Ch. 8	
June 6	Ch. 9	Ch. 9: Benzene and Its Derivatives
June 7	Ch. 9	
June 8	EXAM 2	Chapters 6-9
June 11	Ch. 10	Ch. 10: Amines
June 12	Ch. 10, 12	Ch. 12: Aldehydes and Ketones
June 13	Ch. 12	
June 14	Ch. 12	
June 15	Ch. 12, 13	Ch. 13: Carboxylic Acids
June 18	Ch. 13, 14	Ch. 14: Functional Derivatives of Carboxylic Acids
June 19	Ch. 14	
June 20	Ch. 14	(plus organic polymers if time allows)
June 21	EXAM 3	Chapters 10, 12-14 (No class June 22)

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!!