

**CHM 2200 – Fundamentals of Organic Chemistry (3 credit hours)**  
**Fall 2017: MWF 2nd (8:30-9:20), JHH 221, section 223D**

**Instructor:** Dr. Tammy A. Davidson  
**Office Hours:** M, W, and Th, period 3  
(or other times by appointment)

**Office:** Sisler 429B  
**Phone:** 392-9134  
**email:** [davidson@chem.ufl.edu](mailto:davidson@chem.ufl.edu)

**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 a student to go directly to CHM 2211 (the second semester of the 2 semester organic sequence).

**Text:** W.H. Brown, "Introduction to Organic Chemistry, 5<sup>th</sup> Edition," John Wiley and Sons (2014)  
W.H. Brown, "Student Solutions Manual for Introduction to Organic Chemistry, 5<sup>th</sup> 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 progress exams given on the following dates during the term:

Progress Exam 1 – Friday, September 15th  
Progress Exam 2 – Friday, October 13th  
Progress Exam 3 – Wednesday, November 8th

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 13A, on Wednesday, December 13<sup>th</sup> from 7:30-9:30 AM in JHH 221. 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. 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 and Lecture Etiquette:** You should plan to arrive at class on time and attend all lectures. Although attendance will not be taken, you'll find it is easier to keep up with the course if you are attending lecture regularly.

You'll also find that you will do better if you are actively engaged in the classroom. Please no personal electronics or texting during the lecture – it is distracting for your classmates and disrespectful to your instructor.

**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 21, 23, 25	Ch. 1	<b>Ch. 1:</b> Covalent Bonding and Shapes of Molecules
August 28, 31, September 1	Ch. 2, 3	<b>Ch. 2:</b> Acids and Bases <b>Ch. 3:</b> Alkanes and Cycloalkanes
September 4	<b><i>Labor Day – no classes</i></b>	
September 6, 8	Ch. 3, 4	<b>Ch. 4:</b> Alkenes and Alkynes
September 11, 13	Ch. 4	
September 15	<b>EXAM 1 (Friday)</b>	Chapters 1-4
September 18, 20, 22	Ch. 5	<b>Ch. 5:</b> Reactions of Alkenes and Alkynes
September 25, 27, 29	Ch. 5,6	<b>Ch. 6:</b> Chirality: The Handedness of Molecules
October 2, 4	Ch. 6,7	<b>Ch. 7:</b> Haloalkanes
October 6	<b><i>Homecoming – no classes</i></b>	
October 9, 11	Ch. 7	
October 13	<b>EXAM 2 (Friday)</b>	Chapters 5-7
October 16, 18, 20	Ch. 8	<b>Ch. 8:</b> Alcohols and Ethers (no thiols covered)
October 23, 25, 27	Ch. 9	<b>Ch. 9:</b> Benzene and Its Derivatives
October 30, November 1, 3	Ch. 9, 10	<b>Ch. 10:</b> Amines
November 6	Ch. 10	
November 8	<b>EXAM 3 (Wednesday)</b>	Chapters 8-10
November 10	<b><i>Veterans' Day – no classes</i></b>	
November 13, 15, 17	Ch. 12	<b>Ch. 12:</b> Aldehydes and Ketones
November 20	Ch. 12	
November 22, 24	<b><i>Thanksgiving – No class</i></b>	
November 27, 29, December 1	Ch. 13, 14	<b>Ch. 13:</b> Carboxylic Acids <b>Ch. 14:</b> Functional Derivatives of Carboxylic Acids
December 4, 6	Ch. 13, 14	(plus Organic Polymers if time allows)
December 13	<b>FINAL EXAM – 7:30-9:30 AM in JHH 221</b>	

**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!!**