CHM 2200 – Fundamentals of Organic Chemistry (3 credit hours)
Spring 2020: MWF 2nd (8:30-9:20), JHH 221, section O200 (class 24755)

Instructor: Kathryn Olsen (kolsen@chem.ufl.edu)
Office Hours: MWF 9:35-10:25 (period 3), JHH 203
Coordinator: Dr. Tammy Davidson

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:

1) W.H. Brown, "Introduction to Organic Chemistry, 5th Edition," John Wiley and Sons (2014) W.H. Brown
2) "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 progress exams given on the following dates during the term:

Exam 1 – Friday January 31
Exam 2 – Friday February 28
Exam 3 – Friday April 3

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 on Friday, May 1st from 7:30-9:30 AM in JHH 221. The final exam will be cumulative and will cover ideas 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. Additional problems will be done and discussed during class Problem Solving Sessions days. Please note that homework will not be collected or graded. The course will cover chapters 1-10 and 12-15, and the schedule below will be followed as closely as possible:

Dates	Reading	Topic
January 6, 8	Ch. 1	Ch. 1 – Covalent Bonding and Shapes of Molecules
January 10		Ch. 1 – Problem Solving Session/Discussion
January 13, 15	Ch. 2	Ch. 2 – Acids and Bases
January 17		Ch. 2 – Problem Solving Session/Discussion
January 20		**MARTIN LUTHER KING JR DAY – NO CLASSES**
January 22, 24	Ch. 3	Ch. 3 – Alkanes and Cycloalkanes
January 27	Ch. 4	Ch. 4 – Alkenes and Alkynes
January 29		Ch. 3+4 – Problem Solving Session/Discussion
January 31		**EXAM 1 (CH. 1-4)**
February 3, 5, 7	Ch. 5	Ch. 5 – Reactions of Alkenes and Alkynes
February 10		Ch. 5 – Problem Solving Session/Discussion
February 12	Ch. 6	Ch. 6 – Chirality: The Handedness of Molecules
February 14, 17		**VR in Marston** (sign up on Canvas)
February 19		Ch. 6 – Problem Solving Session/Discussion
February 21, 24	Ch. 7	Ch. 7 – Haloalkanes
February 26		Ch. 7 – Problem Solving Session/Discussion
February 28		**EXAM 2 (CH. 5-7)**
March 2, 4, 6		**SPRING BREAK – NO CLASSES**
March 9, 11	Ch. 8.1, 8.2, 10	Ch. 8.1, Ch. 8.2, Ch. 10 – Alcohols and Amines

March 13		Ch. 8+10 – Problem Solving Session/Discussion
March 16, 18, 20	Ch. 9	Ch. 9 – Benzene and its Derivatives
March 23		Ch. 9 – Problem Solving Session/Discussion
March 25, 27, 30	Ch. 12	Ch. 12 – Aldehydes and Ketones
April 1		Ch. 12 – Problem Solving Session/Discussion
April 3		**EXAM 3 (CH. 8-10; 12)**
April 6, 8, 10	Ch. 13+14	Ch. 13+14 – Carboxylic Acids and their Derivatives
April 13		Ch. 13+14 – Problem Solving Session/Discussion
April 15, 17, 20	Ch. 15	Ch. 15 – Enolate Anions
April 22		Ch. 15 – Problem Solving Session/Discussion
May 1		**FINAL EXAM (7:30-9:30AM, JHH 221)**

Academic Honesty Guidelines: The University of Florida holds its students to the highest standards, and we encourage students to read the University of Florida Student Honor Code and Student Conduct Code (Regulation 4.040), so they are aware of our standards. Any violation of the Student Honor Code will result in a referral the Student Conduct and Conflict Resolution and may result in academic sanctions and further student conduct action. The two greatest threats to the academic integrity of the University of Florida are cheating and plagiarism. Students should be aware of their faculty's policy on collaboration, should understand how to properly cite sources, and should not give nor receive an improper academic advantage in any manner through any medium. You can find more information about UF's Academic Honesty Policy from the Dean of Students Office website at https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/.

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.

Information for Students with Disabilities: Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, http://www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester. Note that DRC accommodations cannot be applied retroactively.