

Instructor: Dr. Laura Peterson

Contact Information: laura.peterson@ufl.edu; Office: SIS 328B; Phone: 352-294-1364.

Class Time/Location: MTWRF; 9:30-10:45 AM (2nd Period); Classroom CLB C130

Course Description: The second half of the CHM 2210/2211 sequence, intended for majors and pre-professional students. This class will continue coverage of fundamental concepts of organic chemistry, including infrared (IR) and nuclear magnetic resonance (NMR) spectroscopy, the structure and reactivity of organometallic compounds, aldehydes, ketones, carboxylic acids and their derivatives, enolates, aromatic compounds and amines.

Prerequisites: CHM 2210 or the equivalent with a minimum grade of C (2.0).

Required Textbook: Brown, Iverson, Anslyn, Foote. *Organic Chemistry, Eighth Edition*, Brooks Cole Learning, 2017. (ISBN 1305580354)

Recommended Study Guide: Iverson, Iverson. *Student Study Guide and Solutions Manual for Brown/Iverson/Anslyn/Foote's Organic Chemistry, 8th Edition*, Brooks Cole, 2017. (ISBN 1305864506)

Publishers Website/Where to buy: <http://www.cengagebrain.com/course/3019835>

Supplementary Sources/Textbooks: Organic Chemistry Textbooks by: Smith; Carey; Wade; and/or McMurry

E-Learning Website: All students will have access to the e-Learning website (Canvas): <https://lss.at.ufl.edu>

You will login with your Gatorlink account username and password. General course information, important announcements, office hours, handouts, exam keys, and practice problems will be posted here.

Office Hours and Related:

Dr. Peterson's Office Hours (SIS328, Subject to Change):

Tues/Thrs 11:45AM – 1:45PM

Undergrad TA's Office Hours (JHH 203/205):

Victoria Falconer: Wed. 1:00PM – 3:00PM

Carla Gonzalez: Wed. 11:00AM – 1:00PM

Lucas James: Tues. 11:00AM – 1:00PM

Sierra Klein: Fri. 11:00AM – 1:00PM

Emily Littman: Mon. 11:00AM – 1:00PM

Molly Nyren: Thurs. 4:00PM – 6:00PM

In addition to office hours, the UGTA's will hold weekly reviews and provide supplementary practice worksheets before the weekly reviews.

Organic Chemistry Learning Center (OCLC) TA Office Hours: Monday - Friday 9:00-4:00; JHH 203/205; a more specific schedule will be posted on Canvas.

Exams and Grades:

Three Exams (100 points each)

Total = 300 Points

There will be three in-class (75 minute) exams given during the semester. Each exam will be cumulative but will emphasize material covered following the previous exam.

Please bring and display your Gator1 Student ID card for exams.

Grades: Exam averages will be curved to 75/100 and the following grading scale will be used:

A = 94+; **A-** = 90 – 93; **B+** = 87–89; **B** = 84 – 86; **B-** = 80 – 83; **C+** = 77 – 79; **C** = 70 – 76;
C- = 65 – 69; **D** = 50 – 64, **E** = < 49.

* Notable exception: in the event that the average is >75/100, the exam will not be curved down.

** The instructor reserves the right to change the grading scale at any point during the semester.

*** Your final grade is comprised of the average of all of your exams and uses the same scale above.

Exam Absence Policy: This course administers all conflicts with scheduled assessments and examinations in accord with the University policy. As such, certain unavoidable absences by students from examinations are allowed, if properly documented and disclosed to Dr. Peterson **at least one week** before the anticipated conflict. Such allowed absences include, but are not limited to, religious observances, sanctioned sporting events, military obligations, and court-imposed legal obligations. In such cases, students will be given the opportunity to take a conflict exam before the scheduled exam for the class, given the student provided documented notice to Dr. Peterson one week in advance of the scheduled exam date.

Unpredicted absences due to medical emergencies are not covered under the above conflict exam policy. If the condition warranting the absence at a scheduled exam is unexpected, relatively minor, and can be recovered from in short order, the student must provide verifiable documentation of the medical emergency to Dr. Peterson within one week of the scheduled assessment date. If proper, verifiable documentation of the medical emergency is presented and proven acceptable to Dr. Peterson, the student will be given the opportunity to makeup the missed work.

Regrading: If you have a question concerning the grading of an exam, you may submit the entire exam for complete regrading. Your score may increase or decrease accordingly. The exam must be submitted, with the cover page (found on Canvas) describing the perceived error, for regrading no later than 3 class days after the exam was returned to the class (i.e. if the exam was returned on Wednesday, the regrade must be submitted no later than the following Monday). Please note that your exams may be photocopied prior to being returned to you.

Homework: Homework problems will be assigned from the questions at the end of each chapter. Homework assignments will not be collected or graded. However, completion and understanding of the homework problems will be of critical importance to succeeding in this course. Typically, a student, in order to be successful, will need to spend **~4 hours per day** studying and completing homework for this course.

Classroom Etiquette: Disruptive behavior, loud talking, and other activities that interfere with other students ability to learn will not be tolerated.

Dropping the Course: Visit or contact one of the chemistry undergraduate advisors.

Website: <https://www.chem.ufl.edu/undergraduate/academic-advisors/>

Email: advising@chem.ufl.edu

Accommodations for Students with Disabilities: Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation.

UF Honor Code:

The UF Student Honor Code (see <http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/> for details):

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."

Honor Code violations include copying on an exam (or helping another student to copy) and/or turning in an exam for re-grading that has been changed since it was graded by the instructor.

Any student found responsible for an academic honesty violation in this course ***will receive a '0' for the compromised exam and forfeit any applicable exam drop policy.***

Tentative Schedule:

Note: The material covered on each exam will depend on how far we are in class. The schedule below is a rough guideline.

Date(s)	Chapter	Topics
July 2	12	Intro and Infrared (IR) Spectroscopy
July 3	12	Infrared (IR) Spectroscopy
July 4	HOLIDAY	NO CLASS
July 5	13	Nuclear Magnetic Resonance (NMR) Spectroscopy
July 6, 9	15	Organometallic Compounds
July 10, 11, 12	16	Aldehydes and Ketones
July 13	EXAM 1	Ch. 12, 13, 15, 16
July 16, 17	16	Aldehydes and Ketones
July 18, 19, 20	17	Carboxylic Acids
July 23, 24, 25, 26	18	Derivatives of Carboxylic Acids
July 27	EXAM 2	Ch. 16-18
July 30, 31	19	Enolate Anions and Enamines
Aug. 1	19	Enolate Anions and Enamines
Aug. 2, 3	20	Dienes, Conjugated Systems, Pericyclic Reactions
Aug. 6	21	Benzene and Aromaticity
Aug. 7, 8	22	Reactions of Benzene
Aug. 9	23	Amines
August 10	EXAM 3	Ch. 19-23