

Instructor: Dr. Laura Peterson

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

Class Time/Location:

Class Number 11544: MWF 9:35AM – 10:25AM (3rd Period)

Class Number 11545: MWF 10:40AM – 11:30AM (4th Period)

Class Number 11546: MWF 1:55PM – 2:45PM (7th Period)

Classroom: Flint 050

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: CHM2210 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/SIS340, Subject to Change):

Mon/Wed/Fri: 12:30PM – 1:30PM

Tues: 10:30AM – 12:30PM

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

Schedule posted to Canvas

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:

Four Exams (350* total points)
Quizzes/Other (50 points)
Total = 400 Points

There will be four regular progress exams given in assembly (**8:20-9:50PM**, 90 mins) during the semester. Each exam will be cumulative but will emphasize material covered following the previous exam. The exam dates are listed on the last page of the syllabus.

*The lowest score of the four regular progress exams will be worth only 50 pts (weighted at ½ credit). i.e. if your exam scores for Exams 1-4 are: 90, 80, 70, 60 your average of the four exams would be $90+80+70+(60/2)$ out of 350 possible points ($100+100+100+(100/2)$).

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

Exam room assignments will be posted to Canvas prior to each exam.

Grades: The following grading scale will be used to determine grades**

A = 91+; **A-** = 89 – 90; **B+** = 86 – 88; **B** = 80 – 85; **B-** = 77 – 79; **C+** = 72 – 76; **C** = 60 – 71;
C- = 55 – 59; **D** = 45 – 54, **E** = < 45.

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

Grades/Grade Points will be assigned in accordance with University policy:
(<https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>).

Exam Absence Policy: This course administers all conflicts with scheduled assessments and examinations in accord with the University policy (<https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>). 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.

No exams will be administered to absent or otherwise compromised students for a grade *after* the established and scheduled exam time.

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 at the time the student is ready to return to class the Exam 4 score will be used to count as the score for the missed exam.

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 one week after the exam was returned in class (i.e. if the exam was returned on Wednesday, the regrade must be submitted no later than the following Wednesday). 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 **1-2 hours per day** studying and completing homework for this course.

Suggested chapter homework and other practice problems will be posted on the E-Learning Canvas site.

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 with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, 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 accommodations.

Course Evaluation: Students are expected to provide feedback on the quality of instruction in this course by completing online course evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results>.

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 regrading 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
Jan. 7		Syllabus, CHM2210 Review
Jan. 9, 11	12	Infrared (IR) Spectroscopy
Jan. 14, 16, 18	13	Nuclear Magnetic Resonance (NMR) Spectroscopy
Jan. 21	NO CLASS	
Jan. 23, 25	15	Organometallic Compounds
Jan. 28	15	Organometallic Compounds
Jan. 30, Feb. 1	16	Aldehydes and Ketones
Feb. 4 (Monday)	EXAM 1	NO REGULARLY SCHEDULED CLASS
Feb. 6, 8	16	Aldehydes and Ketones
Feb. 11	16	Aldehydes and Ketones
Feb. 13, 15	17	Carboxylic Acids
Feb. 18	17	Carboxylic Acids
Feb. 20, 22	18	Derivatives of Carboxylic Acids
Feb. 25 (Monday)	EXAM 2	NO REGULARLY SCHEDULED CLASS
Feb. 27, March 1	18	Derivatives of Carboxylic Acids
March 4, 6, 8	NO CLASS	SPRING BREAK
March 11	18	Derivatives of Carboxylic Acids
March 13, 15	19	Enolate Anions and Enamines
March 18, 20, 22	19	Enolate Anions and Enamines
March 25	19	Enolate Anions and Enamines
March 27 (Wednesday)	EXAM 3	NO REGULARLY SCHEDULED CLASS
March 29	20	Dienes, Conjugated Systems, Pericyclic Reactions
April 1, 3, 5	20	Dienes, Conjugated Systems, Pericyclic Reactions
April 8, 10, 12	21	Benzene and Aromaticity
April 15, 17	22	Reactions of Benzene
April 18 (Thursday)	EXAM 4	
April 19	NO CLASS	NO REGULARLY SCHEDULED CLASS
April 22	22	Reactions of Benzene
April 24	22	Reactions of Benzene
ALL EXAMS ARE DURING PERIOD E2/E3 8:20PM – 9:50 PM		