

Dr. Nicole Horenstein, Leigh 402,
392-9859, horen@chem.ufl.edu

Course Description	This is an <u>accelerated</u> one-semester course focused on an overview of the structure, properties, and reactions of organic compounds, including biomolecules and polymers. This is the first half of a two-semester sequence in biochemistry. The prerequisites for this course are CHM 2046 or CHM2047 or CHM2051 and CHM 2046L, or the equivalent.
Text & Materials	“Organic Chemistry with Biological Topics, 5th edition” by Smith & Vollmer-Snarr. This is an e-book, and the link to order it will be announced shortly. Also, I will soon announce an incentive for you to complete a short tutorial on use of the book’s learning environment. <u>I recommend</u> you purchase molecular models e.g. www.darlingmodels.com ; kit #1; ~\$25.00 Models really help- get some; any brand you find, new or used will do.
Web	The course CANVAS website is here: https://ufl.instructure.com/courses/380960
Lecture	T, Th, periods 2-3 (8:30-10:25) LIT Hall, room 0121. Please plan to attend all lectures. Quizzes and exams draw heavily from lecture material and discussions we have in class! We have a short break after the first hour in which you can reconnect to the outside world and stretch, so please be polite and do not text, etc, during lecture.
Attendance	I do not take attendance, but I can’t think of a better way to maximize your grade than showing up. Besides, what else is there to do at 8:30 in the morning?
ALEKS Prep	We are pilot testing a short tutorial to help you catch up on gen chem basics. All students who complete at least 85 % of the ALEKS Prep course by September 15 will receive 5 additional points as part of their final grade in CHM3217!
Office Hours	T 11:30 AM -12:30 PM; W 9-10 AM; 1-2 PM. And by appointment. If you have never used office hours, it is a chance for you to get expert tutoring and help with the material. It is part of my job to do this, so it is NOT an imposition! Students who use office hours do better! Our course TA, Haoxi Li will post his office hours and location on canvas; also you can get TA help at the organic chemistry learning center, JHH 205. Schedule to be posted on our course site.
Exams	There will be 5 quizzes (25 points each) and 2 exams (100 points each). Quizzes should be easy for you if you are keeping up with the work! Your lowest quiz grade will be dropped in calculating your grade, which will be based on a total of 300 possible course points. There are no makeups for missed quizzes or exams. Make-up exams will only be granted for absences consistent with UF policy. Military service, UF teams, religious observation, serious illness, etc. Documentation will be required! Please contact me in advance about a pending absence and no matter what contact me within one day after an unanticipated absence. No makeups are offered for a missed quiz- you can drop the missed quiz.

Grades/Grading

The following grading scale will apply A $\geq$ 90%, A- = 87-89.9%, B+ = 84-86.9%, B = 77-83.9%, B- = 73-76.9%, C+ = 70-72.9%, C = 63-69.9%, C- = 60-62.9%, D+ = 57-59.9%, D = 50-56.9%, E < 50%. This scale includes a curve. The letter grade of A reflects exemplary work. Exams may be photocopied to ensure academic honesty. Regrades require an explanatory note on the cover from you, and the entire exam will be regraded for accuracy.

Homework

Work the guided learning problems found in your text! They will not be graded, but working these problems will greatly facilitate your understanding of the course material. (See "How to do well", below) Come in to see me or your TAs and we will help you with the material.

How to do well!

Organic chemistry is best learned through practice, like a language, musical instrument, or anything that is new and challenging. I cannot overemphasize how important it is to work as many problems as you can. Save any tough ones (showing your work) for me or a TA to look at and we will help you learn how to figure it out! *Active learning* is the name of the game: The active learner practices what they want to learn. Regular study times eg 2 hours per day help reinforce the learning process. Cramming is temporary learning and unless you have a photographic memory, it does not work well. Structure your study time.

The Honor Pledge:

"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code. "

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."

Approximate Semester Schedule (each date represents 2 class meetings!)

Date(s)	Chapter/Activity	Topic Area
8/20	Ch 1	Structure & Bonding
8/22	Ch 2	Acids/Bases
8/27	Ch 3	Organic Molecules and Functional Groups
8/29	Ch 4	Alkanes
9/3	Ch 4, 5	Stereochemistry
9/5	Ch 5	
9/10	Ch 6	Organic reactions
9/12	Ch 7,	Alkyl Halides and Nucleophilic Substitution
9/17	Ch 7, 8	Alkyl Halides and Elimination Reactions
9/19	Ch 8, 9	Alcohols, Ethers and Related Compounds
9/24	Ch 9, 10	Alkenes
9/26	Ch 10, 11	Alkynes
10/1	Ch 11, 12	Oxidation and Reduction
10/3	Ch 12, 13	Mass Spectrometry and IR Spectroscopy
10/8	Ch 13, 14	Nuclear Magnetic Resonance
10/10	Ch 14, problem session	NMR and problem session

10/15	First hour exam (8:30-10:25) in class lecture Hall. Covers Chapters 1-14	
10/17	Ch 15	Radical Reactions
10/22	Ch 16	Conjugation Resonance, and Dienes
10/24	Ch 17	Benzene and Aromatic Compounds
10/29	Ch 18	Reactions of Aromatic Compounds
10/31	Ch 19	Carboxylic Acids
11/5	Ch 20	Introduction to Carbonyl Chemistry
11/7	Ch 20, 21	Aldehydes and Ketones
11/12	Ch 21, 22	Carboxylic Acids & Derivatives
11/14	Ch 22, 23	Substitutions Reactions of Carbonyl Compounds
11/19	Ch 23, 24	Carbonyl Condensation Reactions
11/21	Ch 24, 25	Amines
11/26	Ch 25, 31	Synthetic Polymers
11/28	<i>Thanksgiving break, No Class</i>	
12/3	Problem sessions and Review	
12/11	Exam 2 3:00 PM - 5:00 PM	

Campus Resources

The Counseling & Wellness Center

Provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

•

University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575,
www.counseling.ufl.edu/cwc/

Services for Students with Disabilities

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. 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

www.dso.ufl.edu/drc/

Disability Resource Center 352-392-8565,
001 Reid Hall

(Located 1/8 mi. north of the intersection of SW 13th Street & Museum Road)