

Dr. Nicole Horenstein
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Course Description This is an accelerated one-semester online course focused on an overview of the structure, properties, and reactions of organic compounds, including biomolecules and polymers. 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, 6th edition” by Smith. ISBN10: 1260516393 | ISBN13: 9781260516395. *We are using the “Connect” version* which includes an e-book, guided study, homework problems and short video clips. **You can get there from [our CANVAS page](#)**. I will also post powerpoint files, supplemental homework problems, and practice tests for you.

I recommend you purchase molecular models, a nice kit from Darling models can be found [here](#) ; kit #1; ~\$25.75 Models really help- get some; any brand you find, new or used will do.

Web The course CANVAS website is found here:
<https://ufl.instructure.com/courses/443058>

Lecture T,R | Period 5 - 6 (11:45 AM - 1:40 PM) The course meets in person in Leigh Hall rm 207. You are expected to wear a mask for your own well-being as well as for others. Plan to attend all lectures. Exams draw from lecture material and the enthralling discussions we have in class!

Office Hours My office hours (rm 402 Leigh Hall) are Tuesday and Wednesday from 9:30-10:30, and by appointment. I will also open a zoom channel if you can not make it to the office physically. If you have never used office hours, it is a chance for you to get expert tutoring and help with the material. Students who use office hours do better! Our course TAs, Haoxi Li and Hailey Beal will post office hours on CANVAS.

Readings Part of your course grade (14.3 %, 50 points) will be based on whether you have completed assigned readings prior to the class in which the content is presented/discussed. These readings are assigned on our Canvas course page. You simply have to read and work through the material, before the deadline to get full credit! This will typically involve spending 45-90 minutes for each chapter. The deadline is the day of class at 11:45 AM, for example, the chapter 3 readings should be completed by 11:45 AM on the day we cover chapter 3.

The grading of readings: There are 24 readings. You need to complete 20, on time, for full credit (50 points maximum). You lose 2.5 points for every late assignment (beyond the grace of 4 readings). Example: you complete 18 readings on time, and earn $18 \times 2.5 = 45$ points for readings. Second example: you complete 24 readings on time. Good job and effort, full credit (50 points). Third example: you complete 4 readings on time, and earn $4 \times 2.5 = 10$ points. Easy points and a reward for keeping up with the material!

- Homework** The Connect environment provides you with multiple ways to learn . Keep up and work the material daily. Work the 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) Contact me or Haoxi and we will help you with the material.
- Tests** There will be 3 monthly tests (100 points each) and a final exam, 100 points. Your lowest test (including the final) can be dropped for a total of 300 possible test points. Your course score will be based on a total of 350 possible points. 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.
- 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.
- How to do well!** **Organic chemistry is best learned through practice..** Like a language, musical instrument, or anything that is new and challenging! Regular practice is the secret to success.
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 ie **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	Topic
24-Aug	Course intro/Ch 1	Structure & Bonding
31-Aug	Ch 2	Polar covalent bonds; Acids/Bases
2-Sep	Ch 3	Intro to Organic Molecules and Functional Groups
7-Sep	Ch 4	Alkanes
9-Sep	Ch 5	Stereochemistry
14-Sep	Ch 5/Ch 6	Understanding organic reactions
16-Sep	Ch 6	
21-Sep	Ch 7	Alkyl Halides & Substitution
23-Sep	Test 1 chapters 1-6	
28-Sep	Ch 8	Alkyl Halides & Elimination
30-Sep	Ch 9	Alcohols, Ethers and Related Compounds
5-Oct	Ch 10	Alkenes and Alkynes (Alkynes a fun!)
7-Oct	Ch 11	Reductions & Oxidations
12-Oct	Ch 12	Conjugation, Resonance & Dienes
14-Oct	Ch 13	Intro to Carbonyl Chemistry
19-Oct	Ch 14	Aldehydes and Ketones
21-Oct	Test 2 chapters 7-13	
26-Oct	Ch 15	Carboxylic Acids & Nitriles
28-Oct	Ch 16	Carboxylic Acids & Derivatives
2-Nov	Ch 17	Substitution Reactions at the α -Carbon
4-Nov	Ch 18	Carbonyl Condensation Reactions
9-Nov	Ch 19	Benzene & Aromatic Compounds
11-Nov	Veterans day Holiday	
16-Nov	Ch 20	Reactions of Aromatic Compounds
18-Nov	Ch 21	Radical Reactions, polymers
23-Nov	Test 3 chapters 14-19	
25-Nov	Thanksgiving Holiday	
30-Nov	Ch 22	Amines, Mass spec
2-Dec	NMR	
7-Dec	Test 4 ch 21-NMR	

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)

Online Course Evaluation Process

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. [Click here for guidance on how to give feedback in a professional and respectful manner](#). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl/. [Summaries of course evaluation results are available to students here](#).

Covid:

In response to COVID-19, the following practices are in place to maintain your learning environment, to enhance the safety of our in-classroom interactions, and to further the health and safety of ourselves, our neighbors, and our loved ones.

- **If you are not vaccinated, get vaccinated.** Vaccines are readily available at no cost and have been demonstrated to be safe and effective against the COVID-19 virus. Visit this link for details on where to get your shot, including options that do not require an appointment: <https://coronavirus.ufhealth.org/vaccinations/vaccine-availability/>. Students who receive the first dose of the vaccine somewhere off-campus and/or outside of Gainesville can still receive their second dose on campus.

- **You are expected to wear approved face coverings at all times during class and within buildings even if you are vaccinated.** Please continue to follow healthy habits, including best practices like frequent hand washing. Following these practices is our responsibility as Gators.
 - Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
 - Hand sanitizing stations will be located in every classroom.
- If you sick, stay home and self-quarantine. Please visit the UF Health Screen, Test & Protect website about next steps, retake the questionnaire and schedule your test for no sooner than 24 hours after your symptoms began. Please call your primary care provider if you are ill and need immediate care or the UF Student Health Care Center at 352-392-1161 (or email covid@shcc.ufl.edu) to be evaluated for testing and to receive further instructions about returning to campus. UF Health Screen, Test & Protect offers guidance when you are sick, have been exposed to someone who has tested positive or have tested positive yourself. Visit the [UF Health Screen, Test & Protect website](#) for more information.
 - Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work.
 - If you are withheld from campus by the Department of Health through Screen, Test & Protect you are not permitted to use any on campus facilities. Students attempting to attend campus activities when withheld from campus will be referred to the Dean of Students Office.
- Continue to regularly visit coronavirus.UFHealth.org and coronavirus.ufl.edu for up-to-date information about COVID-19 and vaccination.