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**Instructor:** Prof. Steve Bruner [bruner@ufl.edu](mailto:bruner@ufl.edu) Office: CCB 302E

**Office hours:** W 11am-noon and Th 9-10am.

**Text:** Required: Brown, Iverson, Anslyn, Foote. Organic Chemistry, Eighth Edition, Brooks Cole Learning, 2017. (ISBN 9781305580350)

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: [www.cengagebrain.com/course/3643273](http://www.cengagebrain.com/course/3643273)

A molecular model set is highly recommended. Several are commercially available, links to specific modeling kits can be found on the E-Learning website.

**Course Description:** This course is the second half of the CHM2210/CHM2211 sequence intended for majors and pre-professional students. This semester we will focus on the structures, syntheses and reactions of organic compounds, covering aspects of spectroscopy, functional groups and reactivity of aromatic rings and olefin containing compounds. The prerequisites for this course are CHM 2046 or CHM2047 or CHM2051 and CHM 2046L, or the equivalent.

**Attendance:** You should plan to arrive at class on time and attend all lectures – you'll find it is easier to keep up if you are attending regularly and are actively engaged in the classroom.

**Office hours: Prof. Bruner's:** W 11am-noon and Th 9-10am.

**Organic Chemistry Learning Center (OCLC) TA Office Hours:** Monday - Friday 9:00-4:00;  
Location/format: TBD

**E-Learning Website:** <https://lss.at.ufl.edu> (Canvas): Contains general course information, important announcements, office hours, handouts, exam keys, and practice problems.

**Course grading:**

Your grade will consist of the following:

Best of 3 Progress Exams	300 points
Final Exam	<u>150 points</u>
<b>TOTAL</b>	<b>450 points</b>

be posted to Canvas prior to each exam). 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.

**Progress Exams:** There will be four progress exams given in assembly (**8:20-9:50PM, 90 mins**) during the semester (Exam rooms will

**The lowest score of the four exams will be dropped to accommodate unexpected absences and/or an uncommon low score.**

**Final Exam:** The final examination will be cumulative. The final exam is scheduled by the University for **Saturday April 25<sup>th</sup> 8:00PM-10:00PM.**

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

Finals grade will be calculated out of 450 total points and the following grading scale will be used:

**A:** 92-100   **A-:** 90-91.99  
**B+:** 87-89.99   **B:** 82-86.99   **B-:** 79-81.99  
**C+:** 75-78.99   **C:** 65-74.99   **C-:** 60-64.99  
**D+:** 55-59.99   **D:** 50-54.99   **D-:** 45-49.99   **E:** <45

The instructor reserves the right to change the grading scale at any point during the semester. The current UF grading policy can be found here: <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 Prof. Bruner 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, the conflict exam schedule is below.

**Missing an exam due to an emergency or sudden illness:** If you are absent for an exam due to an unpredicted documented medical reason, family emergency, or other reason, you must contact the instructor as soon as possible. Your absence must be verified by the Dean of Student's Office (DSO): <https://care.dso.ufl.edu/instructor-notifications/>. If your documentation cannot be verified through the DSO, you will receive a zero on 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 and include a description the perceived error within 1 week of the exam. Please note that your exams may be photocopied prior to being returned to you.

**Practice problems:** Suggested problems relevant to the exams will be listed every week. Practice at problem solving is a common and proven way to succeed in this course.

**Classroom Etiquette:** Disruptive behavior, loud talking, and other activities that interfere with other student's ability to learn will not be tolerated

**Advising Issues:** Visit or contact one of the chemistry undergraduate advisors.  
Website: <https://www.chem.ufl.edu/undergraduate/academic-advisors/>  
Email: [advising@chem.ufl.edu](mailto: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, <https://disability.ufl.edu/students/get-started/>) 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 professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. 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 <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-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.

**In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions:**

- You are required to always wear approved face coverings during class and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals) requirements. Please utilize designated seats and maintain appropriate spacing between students. Please do not move desks or stations.
- Sanitizing supplies are available in the classroom to wipe down your desks prior to sitting down and at the end of the class.
- Follow your instructor's guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.
- If you are experiencing COVID-19 symptoms ([Click here for guidance from the CDC on symptoms of coronavirus](#)), please use the UF Health screening system and follow the instructions on whether you are able to attend class. [Click here for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms](#).
- 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. [Find more information in the university attendance policies](#).

## Approximate Course Schedule:

Monday	1/11		Course intro, review of key 2210 material
Wednesday	1/13	Chapt 13	Nuclear magnetic spectroscopy
Friday	1/15	Chapt 13	Nuclear magnetic spectroscopy
Monday	1/18	NO CLASS	
Wednesday	1/20	Chapt 15	Organometallic compounds
Friday	1/22	Chapt 15	Organometallic compounds
Monday	1/25	Chapt 16	Aldehydes and ketones
Wednesday	1/27	Chapt 16	Aldehydes and ketones
Friday	1/29	Chapt 16	Aldehydes and ketones
Monday	2/1	Chapt 16	Aldehydes and ketones
Wednesday	2/3		
<b>EXAM 1</b>			
Friday	2/5		
Monday	2/8	Chapt 17	Carboxylic Acids
Wednesday	2/10	Chapt 17	Carboxylic Acids
Friday	2/12	Chapt 18	Reactions of carboxylic acids
Monday	2/15	Chapt 18	Reactions of carboxylic acids
Wednesday	2/17	Chapt 18	Reactions of carboxylic acids
Friday	2/19	Chapt 18	Reactions of carboxylic acids
Monday	2/22	Chapt 18	Reactions of carboxylic acids
Wednesday	2/24	Chapt 19	Enolates and enamines
Friday	2/26	Chapt 19	Enolates and enamines
Monday	3/1	Chapt 19	Enolates and enamines
Wednesday	3/3		
<b>EXAM 2</b>			
Friday	3/5	Chapt 19	Enolates and enamines
Monday	3/8	Chapt 20	Pericyclic reactions
Wednesday	3/10	Chapt 20	Pericyclic reactions
Friday	3/12	Chapt 20	Pericyclic reactions
Monday	3/15	Chapt 20	Pericyclic reactions
Wednesday	3/17	Chapt 21	Aromaticity
Friday	3/19	Chapt 21	Aromaticity
Monday	3/22	Chapt 21	Aromaticity
Wednesday	3/24		
<b>EXAM 3</b>			
Friday	3/26	Chapt 22	Electrophilic aromatic substitutions
Monday	3/29	Chapt 22	Electrophilic aromatic substitutions
Wednesday	3/31	Chapt 22	Electrophilic aromatic substitutions
Friday	4/2	Chapt 22	Electrophilic aromatic substitutions
Monday	4/5	Chapt 22	Electrophilic aromatic substitutions
Wednesday	4/7	Chapt 23	Basicity
Friday	4/9	Chapt 23	Basicity
Monday	4/12	Chapt 23	Basicity
Wednesday	4/14		
<b>Exam 4</b>			
Friday	4/16	Chapt 23	Basicity
Monday	4/19	Chapt 25	Carbohydrates
Wednesday	4/21	Chapt 25	Carbohydrates
Saturday	4/24	FINAL EXAM (8:00-10:00pm)	