Organic Chemistry I Spring 2020
CHM2210 section 11386 MWF 8:30-9:20 Flint 050

Instructor: Prof. Steve Bruner bruner@ufl.edu Office: Hernandez Hall 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

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 first 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. 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.

Undergrad TA's Office Hours (JHH 203/205; Subject to Change): *to be posted on Canvas*

Organic Chemistry Learning Center (OCLC) TA Office Hours: Monday - Friday 9:00-4:00; JHH203/205; a more specific schedule will be posted on Canvas

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:

Four (4) Progress Exams	400 points
Final Exam	150 points
ALEKS	20 points
TOTAL	**570 points**

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

Final Exam: The final examination will be cumulative. The final exam is scheduled by the University for **Saturday April 25th 8:00PM-10:00PM**. No one will be allowed to take the final exam early.

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

Your grade will be calculated out of 570 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.

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. The makeup exam schedule can be found on Canvas.

Conflict and Makeup exam schedule:

	Conflict Exam	**Makeup Exam**
Exam 1	W, 1/29/19, 6:00 p.m. – 7:30 p.m.	W, 2/26/19, 6:00 p.m. – 7:30 p.m.
Exam 2	W, 2/26/19, 6:00 p.m. – 7:30 p.m.	W, 3/25/19, 6:00 p.m. – 7:30 p.m.
Exam 3	W, 3/25/19, 6:00 p.m. – 7:30 p.m.	W, 4/15/19, 6:00 p.m. – 7:30 p.m.
Exam 4	W, 4/15/19, 6:00 p.m. – 7:30 p.m.	TBD

Conflict and makeup exam locations will be posted in Canvas.

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 within the timeframe set forth in class. Please note that your exams may be photocopied prior to being returned to you.

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

ALEKS Prep Course: All students who complete at least 85% of the ALEKS Prep Course by January 29th (11:59PM) will receive the full 20 points as part of their final grade in CHM2210. Students who complete less than 85% of the ALEKS Prep Course in the indicated timeframe (Jan. 29th) will receive zero (0) points. There will be no partial credit for ALEKS.

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

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 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.

Approximate Course Schedule

Monday	1/6	Chapt 1	Course intro, Lewis structures, formalcharge, line-angle formulas
Wednesday	1/8	Chapt 1	Functional groups
Friday	1/10	Chapt 1	Resonance, bonding, hybridization
Monday	1/13	Chapt 1	Bonding, hybridization
Wednesday	1/15	Chapt 1	Molecular orbitials
Friday	1/17	Chapt 4	Bronsted-Lowry acids/bases, acid dissociationconstants and pKa
Monday	1/20	Chapt 4	Acid/base strength and equilibrium
Wednesday	1/22	Chapt 4	Lewis acids/bases, mechanisms of acid-base reactions
Friday	1/24	Chapt 2	Intro to alkanes/nomenclature
Monday	1/27	Chapt 2	Conformations of Alkanes
Wednesday	1/29	Chapt 2	Newman projections
Thursday	1/30	**EXAM #1** (8:20-9:50pm)	
Friday	1/31	NO CLASS	
Monday	2/3	Chapt 2	Cycloalkanes, nomenclature/isomerism
Wednesday	2/5	Chapt 2	Cycloalkanes, conformation
Friday	2/7	Chapt 2	Cycloalkanes, conformation
Monday	2/10	Chapt 3	Stereoisomerism & Chirality
Wednesday	2/12	Chapt 3	Acyclic molecules, multiple stereocenters
Friday	2/14	Chapt 3	Cyclic molecules, multiple stereocenters
Monday	2/17	Chapt 5	Alkenes, structure, nomenclature
Wednesday	2/19	Chapt 6	Electrophilic addition, carbocation stability
Friday	2/21	Chapt 6	Markovnikov's rule, carbocation stability
Monday	2/24	Chapt 6	Alkenes, structure, nomenclature
Wednesday	2/26	Chapt 6	Cycloalkanes, conformation
Thursday	2/27	**EXAM #2** (8:20-9:50pm)	
Friday	2/28	NO CLASS	
Monday	3/2	Spring Break, NO CLASS	
Wednesday	3/4		
Friday	3/6		
Monday	3/9	Chapt 6	reactions of alkenes
Wednesday	3/11	Chapt 6	reactions of alkenes, continued
Friday	3/13	Chapt 6	reactions of alkenes, continued
Monday	3/16	Chapt 7	Alkyne nomenclature and synthesis
Wednesday	3/18	Chapt 7	reactions of alkynes
Friday	3/20	Chapt 7	reactions of alkynes, continued
Monday	3/23	Chapt 8	free radical halogenation
Wednesday	3/25	Chapt 8	radical stability
Thursday	3/26	**EXAM #3** (8:20-9:50pm)	
Friday	3/27	NO CLASS	
Monday	3/30	Chapt 8	radical chemistry
Wednesday	4/1	Chapt 8	allylic halogenation
Friday	4/3	Chapt 9	substitution chemistry, SN2 mechanism
Monday	4/6	Chapt 9	substitution chemistry, SN1 mechanism
Wednesday	4/8	Chapt 9	E1 and E2 chemistry
Friday	4/10	Chapt 9	regioselectivity of substituion/elimination chemistry
Monday	4/13	Chapt 10	alcohols, structure, chemistry, preparation
Wednesday	4/15	Chapt 10	alcohols, continued
Thursday	4/16	**EXAM #4** (8:20-9:50pm)	
Friday	4/17	NO CLASS	
Monday	4/20	Chapt 11	epoxides, synthesis, chemistry
Wednesday	4/22	Chapt 11	epoxides, continued
Saturday	4/25	FINAL EXAM (8:00-10:00pm)	