

Instructor: Dr. Stefanie H. Habenicht

Contact: st.habenicht@chem.ufl.edu, 352-273-0550, Keene-Flint 255

Class Time/Location: MWF, 5:10 p.m. – 6:00 p.m. (10th period) in Flint 50

Course Objective: To understand the structures, syntheses, and reactions of organic compounds.

Required Text: Brown, Iverson, Anslyn and Foote, *Organic Chemistry*, 8th Edition (Wiley; ISBN: 978-1-305-86453-5).

Recommended: Iverson, *Organic Chemistry, Student Study Guide and Solutions Manual*, 8th Edition (Wiley; ISBN: 978-1-305-86450-4) and a *molecular modeling kit* (see Canvas for recommendations).

Publisher's Website: <http://www.cengagebrain.com/course/2579509>.

Office Hours: M (6:15 p.m. – 7:15 p.m.), T (8:15 a.m. – 9:15 a.m.), and F (2:45 p.m. – 3:45 p.m.) in **Sisler 340** – *subject to change*.

Organic Chemistry Learning Center (OCLC) Office Hours: M – F (9:00 a.m. – 4:00 p.m.) in JHH 203/205.

Undergrad TA Office Hours: see Canvas. Undergrad TAs will hold office hours and exam reviews.

E-Learning Website: <http://elearning.ufl.edu/> (*updated regularly with announcements, exam scores and information, worksheets, handouts, and lecture notes*).

A Piece of Advice: Do not miss class. Make your own set of notes during lecture in each class. Re-write your notes as part of your study plan. Keep up with the course and you will be in good shape. Try and allow at least 2 hours **per day** (6 days a week) to study, work the problems and read the book chapters. You can find additional practice problems, quizzes and exams on the internet. Do not wait until the last minute to ask for help – use the office hours. Organic chemistry is a challenging course, but it is completely manageable if you **work hard and practice!**

Homework: Homework problems will not be collected or graded. It is your responsibility to work the end-of-chapter problems and read the book – **this is essential for being successful in the course and will help you on the exams**. Don't turn to the solutions manual immediately!

Exam and Grading Policy: During the semester four 50-minute progress exams (100 points each, each focusing on approx. 9 lectures) and a **cumulative** final exam (150 points) will be given. Each of the first four exams will be somewhat cumulative, but will emphasize material covered following the previous exam.

Your grade will be determined according to the following algorithm:

Four 50-minute exams	400 possible points
Cumulative (2-hour) final exam	150 possible points
Total	550 possible points

****Please bring and display your student ID for all exams****

Final Grades: Your final grade will be based on a class “curve” that is determined at the end of the course. Approximate letter grade cut-offs will be posted following each of the exams to keep each of you informed as to your performance in the class as we go along (typically the class average will be given the letter grade equivalent of C+). *Minus grades will be used in this course.*

Policy on Exam Conflicts and Makeups: This course administers all conflicts with scheduled exams in accord with the University policy. University recognized conflicts include, but are not limited to, religious observances, participation in official university activities, military obligations, and court-imposed legal obligations. Students will be given the opportunity to take a *conflict exam*, which will be given shortly *before* the scheduled (in-class) exam provided that the conflict is a) properly documented and b) disclosed to the Instructor *at least one week before* the scheduled exam. *No* exams will be administered to absent or otherwise compromised students for a grade *after* the established and scheduled examination time. Exams given to excused students after the scheduled in-class exam are herein defined as *makeup exams*; **no makeup exams are given in this course.**

Unpredicted absences due to illness or a significant personal/family emergency are not covered under the above conflict exam policy. The student should provide verifiable documentation of the illness or emergency to the Instructor within a timely fashion of the scheduled examination date. The student is expected to makeup all work associated with the examination. This means completing the exam (obtainable from the Instructor) honestly under the instructions given with the exam without unauthorized assistance, and then self-assessing the performance using the published (on-line) exam solution. If the supporting documentation and the worked and self-graded exam are presented and prove acceptable to the instructor at the time the student is ready to restart his/her academic pursuits, the exam will be omitted from the student’s course grade computation (“dropped”). In effect, the exam score will be replaced by the average of the exam scores that were earned. Exams missed without any documentation will be assigned a score of “0”.

Exam Regrades: Exams, except those written (even partially!) in pencil, are eligible for regrading. All exam grading inquiries must be submitted in writing to Dr. Habenicht by the student no later than **one week** from the date that the exams are returned to the class (staple the cover sheet provided on Canvas to the exam, briefly describe the perceived grading error and bring your exam to class or to Dr. Habenicht’s office hours). Questions regarding grades/grading are not accepted by e-mail. **Important note:** Once submitted, the **entire exam** will be regraded to ensure accuracy and your score may increase or decrease accordingly. Please note that your exams may be photocopied prior to being returned to you.

Attendance and Classroom Etiquette: Although attendance will not be taken, I expect you to come to class and be there on time. When you are in class please be respectful of others. The use of cell phones or other electronic devices is strictly prohibited at all times in the classroom – the use of tablets for note-taking is allowed. Please adjust your phone so that it does not ring. If you come late on exam days, you will not be given additional time.

Students are expected to provide feedback on the quality of instruction in this course by completing online 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>.

Other Important Information:

- *Disability Resources:* 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.
- *Division of Student Affairs* (Counseling, Dean of Students Office): <http://www.ufsa.ufl.edu/>
- *UF Grades and Grading Policies:*
<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>
- *Lose or find something during class?* Visit the Chemistry lost-and-found (Leigh Hall 218).
- *Need help adding or dropping this class?* Contact a Chemistry undergraduate advisor here: <https://www.chem.ufl.edu/undergraduate/academic-advisors/>
- Your well-being is important to the University of Florida. The U Matter, We Care initiative (<http://www.umatter.ufl.edu/>) is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

Student 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, but are not limited to, 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 be recommended sanctions consistent with the offense.

Copyright Notice: All handouts used in this course are copyrighted and may not be copied without my expressly granted permission. ‘Handouts’ include all materials generated for this class, which include but are not limited to syllabi, exams, problems, in-class materials, review sheets, problem sets, or other materials. Tutors and tutoring services are expressly forbidden from copying any or all of these materials without prior written permission. Only students currently enrolled in the class may make a single copy of this material for their personal use.

Tentative Course Schedule

Instructor: Dr. Stefanie H. Habenicht, Keene-Flint 255

E-mail: st.habenicht@chem.ufl.edu

E-Learning: elearning.ufl.edu (*updated regularly*)

Text: Brown, Iverson, Anslyn and Foote, *Organic Chemistry*, 8th Edition

Lecture: M, W, and F, 10th period (5:10 p.m. – 6:00 p.m.) in Flint 50

Office Hours: M (6:15 p.m. – 7:15 p.m.), T (8:15 a.m. – 9:15 a.m.), F (2:45 p.m. – 3:45 p.m.).

Date(s)	Chapter	Topic	Recommended End-of-Chapter Problems*
Jan. 8, 10, 12, 17, 19	1	Course Intro; Covalent Bonding, Shapes of Molecules	23-33, 35, 38-49, 51-53, 55-60, 62, 63, 69, 71, 73, 74
Jan. 22, 24, 26, 29	2	Alkanes and Cycloalkanes	16-18, 20-27, 32-36, 39, 42-44, 46, 48-50, 62-65
Exam 1: Monday, February 5th, 2018 (during class period, Flint 50) Chapters 1 – 2			
Jan. 31 Feb. 2, 7, 9	3	Stereoisomerism and Chirality	13, 14, 16-28, 30-32, 34, 36
Feb. 12, 14	4	Acids and Bases	9-17, 19, 20, 22, 26-28, 30-35, 38, 41, 42, 45-50, 52-54
Feb. 16	5	Alkenes	9-11, 13-20, 23, 24, 35
Exam 2: Wednesday, February 28th, 2018 (during class period, Flint 50) Chapters 3 – 5			
Feb. 19, 21, 23, 26 Mar. 2, 12	6	Reactions of Alkenes	15-24, 26, 28-42, 44-51, 54
Mar. 14, 16, 19	7	Alkynes	8, 10-12, 14, 16-18, 20, 21, 23-25, 29-34
Mar. 21, 23, 26	8	Haloalkanes, Radical Halogenation, and Radical Reactions	8, 9, 13, 14, 16-18, 22-30, 32
Exam 3: Friday, March 30th, 2018 (during class period, Flint 50) Chapters 6 – 8.5			
Mar. 28 Apr. 2, 4, 6, 9	9	Nucleophilic Substitution and β -Elimination	10-13, 15, 17-22, 24-28, 30-35, 37-41, 44, 45, 47, 48, 50, 52, 54-61
Apr. 11, 13, 16	10	Alcohols	14, 16, 17, 25-32, 34, 35, 37-43, 45, 46, 49-56
Exam 4: Wednesday, April 18th, 2018 (during class period, Flint 50) Chapters 8.6 – 10.6			
Apr. 20, 23, 25	11	Ethers and Epoxides	15, 16, 20, 21, 23-25, 27, 30-35, 42-45
Final Exam: Friday, May 4th, 2018 (7:30 a.m. – 9:30 a.m., Flint 50) Chapters 1 – 11			

*NOTE: Work the in-chapter problems too!

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