

Instructor: Professor Gregory B. Dudley

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Office Hours: 10:00 am – 12:00 pm Wed
10:00 am – 12:00 pm Fri
Help sessions TBA

Textbook: • *Organic Chemistry*, Carey, 6th Edition

Other materials: • *Student Solutions Manual to Accompany Organic Chemistry*, Carey & Atkins, 6th Edition
• Molecular Visions (or other) plastic model kit
• SpartanModel computer modeling software

Genius without education is like silver in the mine. — Ben Franklin

Course Description/Objectives

This course is intended for honors science majors who will take further chemistry courses. It covers the first ten chapters and chapter thirteen of the textbook, with a focus on structure and properties of organic compounds and an introduction to the chemistry of simple structural elements. By the end of the course students should have a working knowledge of the concepts covered in each chapter, including an appreciation for trends in reactivity and an ability to imagine organic molecules in their true, three-dimensional shapes. Specific objectives for each chapter are available in the textbook.

Exams:

There will be three Hour Tests and a Final Exam. Note their scheduled dates now and plan your calendar accordingly. There **will be no make-up tests**; the final exam will be prorated to cover any excused absences on test days.

Hour Test 1	Wednesday, September 26	100 points
Hour Test 2	Wednesday, October 24	100 points
Hour Test 3	Wednesday, November 28	100 points
Final Exam	Thursday, December 13, 3:00 pm – 5:00 pm	200 points

Quizzes:

Short, unannounced quizzes will be given in class for extra credit.

Homework:

You are encouraged to work as many problems at the end of the chapter as you are able. *Some of these problems will appear on the tests and exam!* Additional practice problems are available online at the OWL web site. Extra credit (amount to be determined, up to 50 points) will be given at the end of the semester based on completed problems in OWL.

Course Schedule:

Week	Day	Lecture topic	Week	Day	Lecture topic
1. 8/27	M	Introduction	9. 10/22	M	Ch. 8
	W	Ch. 1: Structure		W	Test Two (Ch. 5–8)
	F	Ch. 1		F	Test two review
2. 9/3	M	LABOR DAY	10. 10/29	M	Ch. 8
	W	Ch. 2: Alkanes		W	Ch. 9: Alkynes
	F	Ch. 2		F	Ch. 9
3. 9/10	M	Ch. 2	11. 11/5	M	Ch. 9
	W	Ch. 3: Conformations		W	Ch. 10: Conjugation
	F	Ch. 3		F	Ch. 10
4. 9/17	M	Ch. 3	12. 11/12	M	VETERANS' DAY
	W	Ch. 4: Alcohols and Halides		W	Ch. 10
	F	Ch. 4		F	Ch. 13: Spectroscopy
5. 9/24	M	Ch. 4	13. 11/19	M	Ch. 13
	W	Test One (Ch. 1–4)		W	Ch. 13
	F	Ch 5: Elimination reactions		F	THANKSGIVING
6. 10/1	M	Ch. 5	14. 11/26	M	Test three review
	W	Ch. 5, 6: Addition reactions		W	Test Three (Ch. 8–10, 13)
	F	Ch. 6		F	Review for final exam
7. 10/8	M	Ch. 6	15. 12/ 3	M	Guest lecture
	W	Ch. 7: Stereochemistry		W	Review for final exam
	F	Ch. 7		F	Review for final exam
8. 10/15	M	Ch. 7	16. 12/10		
	W	Ch. 8: Substitution reactions		R	Final (Ch. 1–10, 13)
	F	Ch. 8			3:00 pm – 5:00 pm

Study Hints:

Take an active role, not a passive one, in learning new material! Prepare for class by reading ahead, so that you know before you arrive what will be covered. A large portion of the course involves solving various problems. Practice, practice, practice, by working as many of the end-of-chapter and on-line homework problems as you can.

Grading Scale: (percentage of 500 points)

Letter Grade	Percentage	Letter Grade	Percentage
A	90-100+	C	70-72.9
A-	87-89.9	C-	65-69.9
B+	83-86.9	D+	62-64.9
B	80-82.9	D	60-61.9
B-	77-79.9	D-	57-59.9
C+	73-76.9	F	0-56.9

(I reserve the right to lower the cut-off score at a grade level, but I will not raise it.)

Blackboard and Class Web Pages

Your web interface with the course will be through Blackboard. **You must obtain an FSU Email account on garnet or mailer in order to access this material!** A separate handout describes the Blackboard interface. You can register for an FSU account at:

<http://cars.acns.fsu.edu>

For new students two other links will be of help in getting set up for computer use at FSU:

<http://www.acns.fsu.edu/students/> and <http://gtcr.fsu.edu/>

Honor Code

Students are expected to uphold the Academic Honor Code. The Academic Honor System of The Florida State University is based on the premise that each student has the responsibility to:

- 1.Uphold the highest standards of academic integrity in the student's own work,
- 2.Refuse to tolerate violations of academic integrity in the University community, and
- 3.Foster a high sense of integrity and social responsibility on the part of the University community.

Cheating will result in an automatic "F." The full honor code is available at

<http://www.fsu.edu/~union/honor.htm>

ADA Requirements

Students with disabilities needing academic accommodations should:

- 1.Register with and provide documentation to the Student Disability Resource Center (SDRC).
- 2.Bring a letter to the instructor from the SDRC indicating you need academic accommodations. This should be done within the first week of class.

(This syllabus and other class materials are available in alternative format upon request.)

For more information about services available to FSU students with disabilities, contact the Assistant Dean of Students:

sdrc@admin.fsu.edu, Disabled Student Services, 08 Kellum Hall, Florida State University, Tallahassee, FL 32306-4167, (850) 644-9566.

or visit their web site at:

<http://www.fsu.edu/~staffair/dean/StudentDisability/index.html>