

**Instructor:** Professor Gregory B. Dudley

**Office:** 604 DLC

**Phone:** 644-2333

**Email:** [gdudley@chem.fsu.edu](mailto:gdudley@chem.fsu.edu)

**Webpage:** <http://www.chem.fsu.edu/dudley/>

**Office Hours:** 10:00 am – 11:00 am M, W, F  
or by appointment  
Help sessions TBA

**Textbook:** • *Organic Chemistry*, Carey, 6<sup>th</sup> Edition

**Other materials:** • *Student Solutions Manual to Accompany Organic Chemistry*, Carey & Atkins, 6<sup>th</sup> 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. It covers the first twenty-one chapters of the textbook, with a focus on structure and properties of organic compounds and an introduction to the chemical reactivity 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 four 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.

<b>Hour Test 1</b>	<b>Friday, January 25</b>	<b>100 points</b>
<b>Hour Test 2</b>	<b>Wednesday, February 20</b>	<b>100 points</b>
<b>Hour Test 3</b>	<b>Wednesday, March 19</b>	<b>100 points</b>
<b>Hour Test 4</b>	<b>Wednesday, April 16</b>	<b>100 points</b>
<b>Final Exam</b>	<b>Friday, April 25, 7:30 am – 9:30 am</b>	<b>250 points</b>

### Quizzes:

Short, unannounced quizzes on each chapter will be given in class **50 points**

### 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 quizzes, tests, and the exam!*

**Course Schedule:**

Week	Day	Lecture topic	Week	Day	Lecture topic
1. 1/7	M	Ch. 11: Aromaticity	9. 3/3	M	Ch. 18: Enolates
	W	Ch. 11		W	Ch. 18
	F	Ch. 11		F	Ch. 18
2. 1/14	M	Ch. 12: Aromatic Subst.	10. 3/10	M	HAPPY
	W	Ch. 12		W	SPRING
	F	Ch. 12		F	BREAK!
3. 1/21	M	MLK DAY	11. 3/17	M	Review and catch-up
	W	Review and catch-up		W	<b>Test Three (Ch. 17–18)</b>
	F	<b>Test One (Ch. 1–13)</b>		F	<i>Guest lecture</i>
4. 1/28	M	Ch. 14: Organometallics	12. 3/24	M	Ch. 19: Carboxylic acids
	W	Ch. 14		W	Ch. 19
	F	Ch. 14		F	Ch. 19
5. 2/4	M	Ch. 15: Alcohols	13. 3/31	M	Ch. 20: Acylation
	W	Ch. 15		W	Ch. 20
	F	Ch. 15		F	Ch. 20
6. 2/11	M	Ch. 16: Ethers	14. 4/7	M	Ch. 21: Enolates (reprise)
	W	Ch. 16		W	Ch. 21
	F	Ch. 16		F	Ch. 21
7. 2/18	M	Review and catch-up	15. 4/14	M	Review and catch-up
	W	<b>Test Two (Ch. 14–16)</b>		W	<b>Test Four (Ch. 19–21)</b>
	F	<i>Guest lecture</i>		F	Review for final exam
8. 2/25	M	Ch. 17: Carbonyls	16. 4/21		
	W	Ch. 17		F	<b>Final Exam</b>
	F	Ch. 17			7:30 am – 9:30 am

**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 homework problems as you can.

**Grading Scale:** (percentage of 700 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>