

Instructor: Professor Gregory B. Dudley

Office: 5007 CSL

Phone: (850) 644-2333

Email: gdudley@chem.fsu.edu

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

Office Hours: 10:00 am – 11:00 am M, W, F, or by appointment

“Remedial Potions” 6:30 pm – 8:00 pm Tues, schedule permitting

Textbook: • *Organic Chemistry*, Carey, 7th Edition

Other materials: • Molecular Visions (or other) plastic model kit
• SpartanModel computer modeling software

Course Grader Tricia Reynolds <pcr08@fsu.edu>

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

Course Schedule:

Week	Day	Lecture topic	Week	Day	Lecture topic
1. 1/5	M		9. 3/2	M	Ch. 18: Enolates
	W	Ch. 11: Aromaticity		W	Ch. 18
	F	Ch. 11		F	Ch. 18
2. 1/12	M	Ch. 11	10. 3/9	M	HAPPY
	W	Ch. 12: Aromatic Subst.		W	SPRING
	F	Ch. 12		F	BREAK!
3. 1/19	M	MLK DAY	11. 3/16	M	Ch. 19: Carboxylic acids
	W	Review and catch-up		W	Ch. 19
	F	Test One (Ch. 1–13)		F	Ch. 19
4. 1/26	M	Ch. 14: Organometallics	12. 3/23	M	Ch. 20: Acylation
	W	Ch. 14		W	Ch. 20
	F	Ch. 14		F	Ch. 20
5. 2/2	M	Ch. 15: Alcohols	13. 3/30	M	Review and catch-up
	W	Ch. 15		W	Test Three (Ch. 17–20)
	F	Ch. 15		F	<i>Guest lecture</i>
6. 2/9	M	Ch. 16: Ethers	14. 4/6	M	Ch. 21: Enolates (reprise)
	W	Ch. 16		W	Ch. 21
	F	Ch. 16		F	Ch. 22: Amines
7. 2/16	M	Review and catch-up	15. 4/13	M	Ch. 22
	W	Test Two (Ch. 14–16)		W	Ch. 23: Aryl halides
	F	<i>Guest lecture</i>		F	Ch. 24: Phenols
8. 2/23	M	Ch. 17: Carbonyls	16. 4/20	M	Recuperate,
	W	Ch. 17		W	relax, and review
	F	Ch. 17		F	for final exam
			Final Exam		W, Apr 29, 12:30 – 2:30 pm

Course Description/Objectives

This course is intended for honors science majors. It covers the first twenty-four 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 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	Friday, January 23	100 points
Hour Test 2	Wednesday, February 18	100 points
Hour Test 3	Wednesday, April 1	100 points
Final Exam	Wednesday, April 29, 12:30 pm – 2:30 pm	250 points

Quizzes:

50 points

Short, unannounced quizzes on each of the 13 chapters will be given in class. There will be no make-up quizzes, just as there are no make-up lectures. The best 10 quiz scores (out of 13) will be counted.

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 final exam!*

You may turn in original work on the end of chapter problems, if you wish (up to two points per chapter, up to 20 total for the semester). Please turn in at least twenty *different* problems per chapter, worked neatly, correctly, and not copied from the solutions manual, which you should not have in the first place. You should only work one problem from each question. (For example in chapter 11, problems 11.31b, 11.37–11.40, and 11.50c count as six problems.) Please keep a copy for your records; I will not return them.

Any end-of-chapter problems for which you want credit must be turned in before class starts on the first day after we cover that chapter in class.

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.

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>