

**Instructor:** Professor Gregory B. Dudley  
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**Webpage:** <http://www.chem.fsu.edu/dudley/index.html>  
**Office Hours:** 10:00 am – 12:00 pm Wed  
10:00 am – 12:00 pm Fri  
**“Remedial Potions”** 5:00 pm – 7:00 pm Tues, schedule permitting  
**Textbook:** • *Organic Chemistry*, Carey, 7<sup>th</sup> Edition  
**Other materials:** • Personal Response Clicker  
• Molecular Visions (or other) plastic model kit  
• SpartanModel computer modeling software  
**Course Grader** Tricia Reynolds <[pcr08@fsu.edu](mailto:pcr08@fsu.edu)>

*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.

### Study Hints: *I cannot teach you organic chemistry! I can only help you learn.*

Take an active role 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.

### 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.

<b>Hour Test 1</b>	<b>Wednesday, September 24</b>	<b>100 points</b>
<b>Hour Test 2</b>	<b>Wednesday, October 29</b>	<b>100 points</b>
<b>Hour Test 3</b>	<b>Wednesday, November 26</b>	<b>100 points</b>
<b>Final Exam</b>	<b>Thursday, December 11, 10:00 am – 12:00 pm</b>	<b>200 points</b>

**Personal response clickers:****30 points**

I'll be learning how to use this as we go. Up to 30 points will be available for participation in in-class surveys and questions relating the lecture material.

**Quizzes:****50 points**

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

There will be no make-up quizzes, just as there are no make-up lectures. The two lowest quiz scores of the semester will be dropped. The best 8 quizzes (out of 11) will be totaled and normalized to a 50-point scale.

**Homework:****20 points**

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, 11.32c, 11.36d, 11.37–11.40, and 11.50c count as eight problems.)

End-of-chapter problems will be awarded a grade of 0 or 2 based on neatness/legibility and accuracy. 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.

**Grading Scale:** (percentage of 600 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.)

**Course Schedule:** (lectures in grey indicate my anticipated absence)

Week	Day	Lecture topic	Week	Day	Lecture topic
1. 8/25	M	Introduction	9. 10/20	M	Ch. 8: Substitution reactions
	W	Ch. 1: Structure		W	Ch. 8
	F	Ch. 1		F	Ch. 8
2. 9/1	M	LABOR DAY	10. 10/27	M	Review for Test 2
	W	Ch. 2: Alkanes		W	<b>Test Two (Ch. 5–8)</b>
	F	Ch. 2		F	Special topic
3. 9/8	M	Ch. 3: Conformations	11. 11/3	M	Ch. 9: Alkynes
	W	Ch. 3		W	Ch. 9
	F	Ch. 3		F	Ch. 9
4. 9/15	M	Ch. 4: Alcohols and Halides	12. 11/10	M	Ch. 10: Conjugation
	W	Ch. 4		W	Ch. 10
	F	Ch. 4		F	Ch. 10
5. 9/22	M	Review for Test 1	13. 11/17	M	Ch. 13: Spectroscopy
	W	<b>Test One (Ch. 1–4)</b>		W	Ch. 13
	F	Special topic		F	Ch. 13
6. 9/29	M	Ch. 5: Elimination reactions	14. 11/24	M	Review for Test 3
	W	Ch. 5		W	<b>Test Three (Ch. 9–10, 13)</b>
	F	Ch. 5		F	THANKSGIVING
7. 10/6	M	Ch. 6: Addition reactions	15. 12/1	M	Review for final exam
	W	Ch. 6		W	Special topic
	F	Ch. 6		F	Review for final exam
8. 10/13	M	Ch. 7: Stereochemistry	16. 12/8		
	W	Ch. 7		R	<b>Final (Ch. 1–10, 13)</b>
	F	Ch. 7			10:00 am – 12:00 pm

### “Remedial Potions”:

We will be covering a new chapter each week, which is a faster pace than you will experience in most courses. Inevitably, many students will want a chance to reflect on the material in a more relaxed environment.

I will be available to work with students in a smaller setting on most Tuesday evenings. We will review previous concepts in greater depth and detail than we can in lecture. If, after reading the chapter, participating in the regular lectures, and completing end-of-chapter problems from the book, you are still not fully comfortable with the material, then you should seriously consider participating in Remedial Potions on Tuesday evenings.

## **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>