

Instructor: Professor Gregory B. Dudley

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Office Hours: MONDAY 10:00 am – 11:00 am

TUESDAY 4:00 pm – 5:00 pm

FRIDAY 11:30 am – 12:30 pm

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

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

Recitation Instructors • Zahra Alghoul < zalghoul@chem.fsu.edu >
• Matt Rexford < rexfordmd@chem.fsu.edu >
• Jingyue Yang < jyang@chem.fsu.edu >

Wednesday Recitation Schedule:

Section	Time	Room	Recitation Instructor	Office hours and location	Course Ref. Number
1	2:30–3:20 pm	214 HTL	Zahra	Thurs 3:30 pm	00534
2	3:30–4:20 pm	214 HTL	Zahra	HTL 520	08692
3	4:30–5:20 pm	214 HTL	Matt	Tues 2:00 pm	08693
4	5:30–6:20 pm	214 HTL	Matt	CSL 2010	08694
5	6:30–7:20 pm	214 HTL	Jingyue	Wed 4:00 pm	08695
6	7:30–8:20 pm	214 HTL	Jingyue	CSL 5010	08696

Prerequisite: CHM 1046 or equivalent with a grade of "C–" or higher, or CHM 1045 or equivalent with grade of B or better and permission of instructor.

Course Description/Objectives

This course is intended for science majors, premed students, and others who would benefit from a strong background in organic chemistry. It covers the first ten 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.

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

Course Schedule:

Week	Day	Lecture topic	Week	Day	Lecture topic
1. 1/04	M		9. 3/01	M	Ch. 7: Stereochemistry
	W	Intro		W	Ch. 7
	F	Ch. 1: Structure		F	Ch. 7
2. 1/11	M	Ch. 1	10. 3/08	M	HAPPY
	W	Ch. 1		W	SPRING
	F	Ch. 2: Hydrocarbons		F	BREAK
3. 1/18	M	MLK DAY	11. 3/15	M	Review and catch-up
	W	Ch. 2		W	Review
	F	Ch. 2		F	Test Two (Ch. 1–7)
4. 1/25	M	Ch. 3: Hydrocarbon structure	12. 3/22	M	Ch. 8: Substitution
	W	Ch. 3		W	Ch. 8
	F	Ch. 3		F	Ch. 8
5. 2/01	M	Ch. 4: Alcohols and Halides	13. 3/29	M	Ch. 9: Alkynes
	W	Ch. 4		W	Ch. 9
	F	Ch. 4		F	Ch. 9
6. 2/08	M	Review and catch-up	14. 4/05	M	Ch. 10: Conjugation
	W	Review		W	Ch. 10
	F	Test One (Ch. 1–4)		F	Ch. 10
7. 2/15	M	Ch. 5: Alkenes: Preparation	15. 4/12	M	Review and catch-up
	W	Ch. 5		W	Review
	F	Ch. 5		F	Test Three (Ch. 1–10)
8. 2/22	M	Ch. 6: Alkenes: Reactions	16. 4/19	M	Review and catch-up
	W	Ch. 6		W	Review for final
	F	Ch. 6		F	Review for final

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, February 12	100 points
Hour Test 2	Friday, March 19	100 points
Hour Test 3	Friday, April 16	100 points
Final Exam	FRIDAY, April 30, 7:30 am – 9:30 am	250 points

Recitation quizzes:**100 points**

Short quizzes will be given in recitation. There will be no make-up quizzes, just as there are no make-up lectures. The best 10 quiz scores will be counted.

Personal Response System (Clickers):**20 points**

Quick questions will be asked periodically in lecture. Please have your PRS clickers with you in class each day to participate. The best 20 PRS questions 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, for “extra” credit (up to two points per chapter, up to **20 points** total for the semester). Please turn in at least twenty *different* problems per chapter, worked neatly, correctly, and not copied from the solutions manual. 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; your homework will not be returned.

Any end-of-chapter problems for which you want credit must be turned in attached to your quiz in the first recitation after we finish covering the chapter in class. Refer to the Course Schedule if you are unsure when we finish each chapter.

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.

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>

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!** You can register for an FSU account at: <http://cars.acns.fsu.edu>. Two other links may be of help in getting set up for computer use at FSU: <http://www.acns.fsu.edu/students/> and <http://gtcr.fsu.edu/>

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>