

Instructor: Professor Gregory B. Dudley
Office: 5007 CSL
Phone: (850) 644-2333 (please call only during office hours)
Email: gdudley@chem.fsu.edu (preferred, use any time)
Webpage: <http://www.chem.fsu.edu/dudley/index.html>

Office Hours: THURSDAY 8:30 am – 10:30 am

Textbook: • *Organic Chemistry*, Carey & Giuliano, 9th Edition
Other materials: • ConnectPlus / LearnSmart / eBook
<https://connect.mheducation.com/class/g-dudley-fall-2015-chem-2210-dudley-sections-11-23>
 • Molecular Visions (or other) plastic model kit

Recitation Instructors

- Rana Mohamed rmohamed@chem.fsu.edu
- Rebecca Chandler rrc13@my.fsu.edu
- Xiaoguang Zhang xizhang@chem.fsu.edu
- Alex Blanchard ajb14x@my.fsu.edu

Thursday Recitation Schedule:

Section	Time	Room	Recitation Instructor	Office hours and location	Course Ref. Number
12	2:00–2:50 pm	213 HTL	Rana	Fri 12-2 pm DLC 130	1724
13	3:00–3:50 pm	213 HTL			1725
14	4:00–4:50 pm	213 HTL			1726
15	3:00–3:50 pm	214 HTL	Rebecca	Tues 9-11 am DLC 130	1727
16	4:00–4:50 pm	214 HTL			1728
17	5:00–5:50 pm	214 HTL			1729
18	2:00–2:50 pm	219 HTL	Xiaoguang	Wed 3-5 pm DLC 130	1730
19	3:00–3:50 pm	219 HTL			1731
20	4:00-4:50 pm	219 HTL			1732
21	5:00–5:50 pm	219 HTL	Alex	Mon 1-3 pm DLC 130	1988
22	6:00–6:50 pm	219 HTL			2058
23	7:00-7:50 pm	219 HTL			12212

Course Description/Objectives

This course is intended for science majors, premed students, and others who will benefit from a strong background in organic chemistry. It covers the first ten chapters of the Carey textbook, with a focus on structure and properties of organic compounds and an introduction to the chemical reactivity of simple structural elements. Students will gain 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

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.

Study Hints:

Take an active role, not a passive one, in learning new material! Prepare for class each day by previewing the material, so that you know before you arrive what will be covered. After class, read the section of the chapter carefully and work on the assigned homework.

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.

Use the semester to “train” for the exams. Train a bit every day, and you will be ready. On the other hand, if you try to cram all of your training at the end, then you will be lost.

Course Schedule:

Week	Day	Lecture topic	Week	Day	Lecture topic	
1. 8/24	M	Intro	9. 10/19	M	Ch. 6: Alkenes: Reactions	
	W	Ch. 1: Structure		W	Ch. 6	
	F	Ch. 1		F	Ch. 6	
2. 8/31	M	Ch. 1	10. 10/26	M	Ch. 8: Substitution	
	W	Ch. 2: Hydrocarbons		W	Ch. 8	
	F	Ch. 2		F	Ch. 8	
3. 9/07	M	LABOR DAY	11. 11/02	M	Review and catch-up	
	W	Ch. 2		W	Test Two (Ch. 1–8)	
	F	Ch. 3: Hydrocarbon structure		F	Review and preview	
4. 9/14	M	Ch. 3	12. 11/09	M	Ch. 9: Alkynes	
	W	Ch. 3		W	VETERAN’S DAY	
	F	Ch. 7: Stereochemistry		F	Ch. 9	
5. 9/21	M	Ch. 7	13. 11/16	M	Ch. 9	
	W	Ch. 7		W	Ch. 10: Conjugation	
	F	Ch. 7		F	Ch. 10	
6. 9/28	M	Review and catch-up	14. 11/23	M	Ch. 10	
	W	Test One (Ch. 1–3, 7)		W	THANKSGIVING	
	F	Review and preview		F	THANKSGIVING	
7. 10/05	M	Ch. 4: Alcohols and Halides	15. 11/30	M	Review and catch-up	
	W	Ch. 4		W	Test Three (Ch. 1–10)	
	F	Ch. 4		F	Review and preview	
8. 10/12	M	Ch. 5: Alkenes: Preparation	16. 12/07		FINALS WEEK	
	W	Ch. 5		12/10	R	FINAL EXAM
	F	Ch. 5				3-5 pm, 102 HCB

Exams:

Note the scheduled exam dates now and plan 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 30	100 points
Hour Test 2	Wednesday, November 4	100 points
Hour Test 3	Wednesday, December 2	100 points
Final Exam	Thursday, December 10, 3:00 – 5:00 pm	250 points

LearnSmart chapter previews:**100 points**<https://connect.mheducation.com/class/g-dudley-fall-2015-chm-2210-dudley-sections-11-23>

There is a LearnSmart chapter preview assignment for the course and for each chapter. These assignments are due at 9am (*before* the start of class) on the day that we begin the chapter. (Exceptions: the course preview is due Friday, and the chapter one assignment is due on Monday.) Each assignment is worth 10 points, for a maximum of 100 points (one will be dropped). Each is estimated to take as little as 20 minutes to complete for those who already know the material. Please take as long as you feel is necessary to prepare you to learn the material in the chapter. **Yes**, you will be answering questions on material you have not yet learned. The software is designed to guide you through the process. *Complete the assignments in a timely manner! There is no way to complete a “preview” assignment once we have started the chapter in class (i.e., no make-ups or extensions)!*

On-line homework (ConnectPlus):**100 points**<https://connect.mheducation.com/class/g-dudley-fall-2015-chm-2210-dudley-sections-11-23>

There is a graded homework exercise with instant answer feedback for each chapter. These assignments are open on the days that we cover each chapter in class. Each is worth a 10 (out of 11 possible) points, for a maximum total of 100 points. Familiarize yourself with this system and use it to reinforce your learning. You should work on the homework every day after class. Each assignment includes 20 questions of equal value, but some questions may take longer than others to complete. *Complete the assignments in a timely manner! There are no make-up assignments, and assignments that are submitted late will receive reduced credit (20% per day).*

End-of-chapter problems:

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!*

Grading:

The course grade will be calculated on the basis of **750 points**, distributed as follows:

Three Hour Tests, *	100 points each:	300 points
Final Exam,	100 points x 2.5:	250 points
LearnSmart previews	(10 points each)	100 points
ConnectPlus homework	(10 points each)	100 points
	Total	750 points

***No make-up tests. Final exam grade will replace excused absence grade.**

Representative Grading Scale (Guide):

Letter Grade	Percentage	Letter Grade	Percentage
A	≥90	C+	73→77
A-	87→90	C	70→73
B+	83→87	C-	65→70
B	80→83	D	60→65
B-	77→80	F	<60

(Actual grade cut-offs vary depending on exam difficulty and other factors. Typically, about 10% of the class receives an A, and the average score in the class falls in C+ range.)

ALL SYLLABI ARE REQUIRED BY FSU TO INCLUDE THE FOLLOWING STATEMENTS:

University Attendance Policy:

Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness.

Academic Honor Policy:

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to ". . . be honest and truthful and . . . [to] strive for personal and institutional integrity at Florida State University." (Florida State University Academic Honor Policy, found at <http://dof.fsu.edu/honorpolicy.htm>.)

Americans with Disabilities Act:

Students with disabilities needing academic accommodation should:

- (1) register with and provide documentation to the Student Disability Resource Center; and
- (2) bring a letter to the instructor indicating the need for accommodation and what type. This should be done during 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:

Student Disability Resource Center
874 Traditions Way
108 Student Services Building
Florida State University
Tallahassee, FL 32306-4167
(850) 644-9566 (voice)
(850) 644-8504 (TDD)
sdrc@admin.fsu.edu
<http://www.disabilitycenter.fsu.edu/>

RECOMMENDED LANGUAGE FOR SYLLABI:

Free Tutoring from FSU:

On-campus tutoring and writing assistance is available for many courses at Florida State University. For more information, visit the Academic Center for Excellence (ACE) Tutoring Services' comprehensive list of on-campus tutoring options – see <http://ace.fsu.edu/tutoring> or contact tutor@fsu.edu. High-quality tutoring is available by appointment and on a walk-in basis. These services are offered by tutors trained to encourage the highest level of individual academic success while upholding personal academic integrity.

Syllabus Change Policy:

"Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice."