

Instructor: Professor Gregory B. Dudley

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

Office Hours: MONDAY 9:00 am – 10:00 am
THURSDAY 4:00 pm – 5:00 pm
FRIDAY 2:30 pm – 3:30 pm

Required materials:

- *Fundamentals of General, Organic, and Biological Chemistry*, McMurry et al, 6th Edition
- Sapling Learning on-line homework account

Optional materials:

- Molecular Visions (or other) plastic model kit

Recitation Instructors

- Mr. Paul Peterson < ppeterson@chem.fsu.edu >
- Ms. Jingyue Yang < jyang@chem.fsu.edu >

Wednesday Recitation Schedule:

Section	Time	Room	Recitation Instructor	Office hour and location	Course Ref. Number
8	8:00–8:50 am	212 HCB	Jingyue	Wednesday	12912
9	9:00–9:50 am	212 HCB	Jingyue	12:00–1:00 pm	12913
10	10:00–10:50 am	212 HCB	Jingyue	5010 CSL	12914
11	1:00–1:50 pm	309 HCB	Paul	Tuesday	12915
12	2:00–2:50 pm	309 HCB	Paul	2:00–3:00 pm	12916
13	3:00–3:50 pm	309 HCB	Paul	5010 CSL	12917

Prerequisite: CHM 1032 or CHM 1045, 1045L, 1046, and 1046L.

Course Description/Objectives

This course is intended for students in nutrition and fitness and other allied health majors and those who seek an overview of organic chemistry. It covers the organic chemistry chapters of the textbook (12–17) in detail, with a focus on structure and properties of organic compounds and an introduction to functional groups and reactions. Other topics will be covered briefly. Specific objectives for each chapter are available in the textbook.

Study Hints:

Take an active role, not a passive one, in learning new material! Prepare for lecture by browsing the text ahead of time, so that you know before you arrive what will be covered. Read the book *after* lecture. A large portion of the course involves solving problems. Practice by working as many of the end-of-chapter problems as you can.

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

Course Schedule:

Week	Day	Lecture topic	Week	Day	Lecture topic
1. 1/03	M W F	Introduction Ch. 12: Alkanes	9. 2/28	M W F	Review and catch-up Test Two (Ch. 12–15) Test two wrap-up
2. 1/10	M W F	Ch. 12 Ch. 12 Ch. 12	10. 3/07	M W F	HAPPY SPRING BREAK
3. 1/17	M W F	MLK DAY Ch. 13: Alkenes, etc Ch. 13	11. 3/14	M W F	Ch. 16: Ketones, etc Ch. 16 Ch. 16
4. 1/24	M W F	Ch. 13 Ch. 13 Ch. 13	12. 3/21	M W F	Ch. 16 Ch. 17: Carboxylic acids, etc Ch. 17
5. 1/31	M W F	Review and catch-up Test One (Ch. 1–10, 12–13) Test one wrap-up	13. 3/28	M W F	Ch. 17 Ch. 17 Ch. 17
6. 2/07	M W F	Ch. 14: O/S/X Compounds Ch. 14 Ch. 14	14. 4/04	M W F	Review and catch-up Test Three (Ch. 12–17) Test three wrap-up
7. 2/14	M W F	Ch. 14 Ch. 15: Amines Ch. 15	15. 4/11	M W F	Special Topic: Chirality Special Topic Special Topic
8. 2/21	M W F	Ch. 15 Ch. 15 Ch. 15	16. 4/18	M W F	Review and catch-up Review for final Review for final

Grading:

The course grade will be calculated on the basis of 650 points, distributed as follows:

Three Hour Exams (no make-up exams), 100 points each:	300 points
Cumulative Final Exam, 200 points:	200 points
Sapling Learning Online HW points (20 points each, 150 max)	150 points
Total	650 points

Exams:

There will be three Hour Exams 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	Wednesday, February 2	100 points
Hour Test 2	Wednesday, March 2	100 points
Hour Test 3	Wednesday, April 6	100 points
Final Exam	THURSDAY, April 28, 12:30 pm – 2:30 pm	200 points

On-line homework (Sapling Learning):**150 points**

Graded homework exercises with instant answer feedback will be assigned. You should familiarize yourself with this system and use it to reinforce your learning. At the end of the semester all of the on-line homework scores will be compiled and graded on a 150-point scale for inclusion in your final grade.

Homework assignments will be due on *the first class day* after we finish discussing each chapter. There is one assignment for each chapter. The maximum score for any assignment is 20, so the maximum score for the term is 150.

HW Introduction	Wednesday, January 19	10 points
HW Chapter 12	Wednesday, January 19	20 points
HW Chapter 13	Monday, January 31	20 points
HW Chapter 14	Wednesday, February 16	20 points
HW Chapter 15	Monday, February 28	20 points
HW Chapter 16	Wednesday, March 23	20 points
HW Chapter 17	Monday, April 4	20 points
HW Stereochem.	Monday, April 18	20 points

To get set up for the on-line homework, following these instructions:

1. Go to <http://saplinglearning.com>
2. If you already have a Sapling Learning account, log in, click "View Available Courses", then skip to step 6.
3. Otherwise, click "Sign up for new account" located under the Login box.
4. Choose a new username and password, and supply the other requested information. Click "Create my new account".
5. Check your email (and spam filter) for a message from Sapling Learning and click on the link provided in that email.
6. Find your course in the list (listed by school, course, and instructor) and click the link.
7. Click the button that says "Send payment via Paypal or Credit Card" and follow the remaining instructions.
8. Once you have registered and enrolled, you can log in at any time to complete or review your homework assignments.
9. During sign up — and throughout the term — if you have any technical problems or grading issues, send an email to support@saplinglearning.com explaining the issue. We are almost always more able (and faster) to resolve issues than your instructor.

Work through the training assignment right away. Completing it is worth ten free points, and it will teach you how to use the system.

The homework assignments for each chapter should be performed at the same time as we are covering the material in class. You will not be permitted to go back and complete assignments after the due date. The online problems: 1) allow pretty much any question that is asked on paper to be performed on a computer; 2) enable one to draw their own structures, just as one will need to do on an exam; 3) grade instantly and provide feedback via tutor-like hints, allowing one to keep working with a question to arrive at the correct answer; 4) include detailed answer explanations.

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 quizzes, tests, and the final exam!*

Tentative Grading Scale:

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 may choose to lower the cut-off scores, but I will not raise them.)

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://gtr.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>