

Instructor: Robley Light
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Office Hours: 11:00-12:00 MWF (or by appointment)
Textbooks: *Introduction to General, Organic, and Biochemistry*
Hein, Best, Pattison, Arena
8th Edition, John Wiley & Sons, 2005
Introduction to General, Organic, and Biochemistry in the Laboratory
Hein, Peisen, Ritchey
8th Edition, John Wiley & Sons, 2005
Required Items: Molecular Visions Organic Model Kit
Laboratory safety goggles
A laboratory notebook with a sewed (not spiral) binding

Laboratory Schedule:

Section	Time	Room	Course Ref. Number
1	Tue. 8:00-12:00 am	507 HTL	00447
2	Tue. 1:00-5:00 pm	507 HTL	06267
3	Mon. 1:25-5:25 pm	507 HTL	06268
4	Wed. 1:25-5:25 pm	507 HTL	06269
5	Thu. 8:00-12:00 am	507 HTL	08855
6	Thu. 1:00-5:00 pm	507 HTL	08856

Note which section you are enrolled in and attend the appropriate laboratory for that section. **If you must switch to a different time, be sure to go through drop and add so that you will be enrolled correctly.**

Prerequisite:

CHM 1030 with a grade of C- or better. (Students completing an I grade from a previous semester should not register for the course but should notify the instructor).

Laboratory Part:

The laboratory part of the course is operated independently from the lecture part, although the experiments are correlated with the lecture material as much as possible. Laboratory performance will be evaluated according to pre-lab preparation of the notebook, condition of the notebook write-up on completion of the experiment, the lab teaching assistant's observations of your work in the laboratory, and performance on occasional, unannounced laboratory quizzes. The laboratory grade will be averaged into the overall course grade as shown below. Prior preparation for each experiment will be essential for satisfactory performance in the laboratory.

Course Description/Objectives

This course is intended to provide an introduction of the fundamentals of organic chemistry needed for students majoring in nutrition, fitness, and related subjects. It serves as a prerequisite to the one-semester general biochemistry course BCH 3023C. Students wishing to meet pre-med requirements or the prerequisite for other advanced chemistry courses should take the two-semester organic sequence CHM 2210 and CHM 2211.

The course covers chapters 19-29 of the textbook. Topics include the structure, nomenclature, and some reactions of most classes of organic compounds: alkanes, alkenes, aromatics, alcohols, ethers, phenols, thiols, aldehydes, ketones, carboxylic acids, esters, amines, amides, and polymers. There is also an introduction to the biological compounds: carbohydrates, lipids, amino acids, and proteins.

By the end of the course students should have a working knowledge of the concepts covered in each chapter, including an ability to draw and name organic compounds, to classify compounds by functional group, to predict properties of compounds from their structure, and to predict reaction products with various reagents. More specific objectives for each chapter are available in a "concept review" at the end of the chapter.

Quizzes and Examinations:

There will be short (10-15 minute) weekly quizzes on Wednesdays at the end of class except for weeks in which an Hour-Test is scheduled. There will be three Hour Tests and a Final Exam. Note their scheduled dates now and plan your calendar accordingly. **A make-up test will only be available in the case of sickness (with a doctor's excuse) or for an absence associated with a legitimate university function, and approved in advance by the instructor. The make-up will be given on the last day of classes.** Otherwise a missed Hour Test will be graded as a zero, which can be replaced by the exam grade as described below.

Hour Test 1	Wednesday, February 2
Hour Test 2	Wednesday, March 2
Hour Test 3	Wednesday, April 6
Final Exam	Thursday, April 28, 10-12 am

Help Sessions

Review sessions will be held prior to each Hour Test, and during the last class period for students not taking a make-up exam.

Blackboard and Class Web Pages

Your web interface with the course will be through Blackboard (at <http://campus.fsu.edu>). **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>

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://gtr.fsu.edu/>

When logging into the course web site at a public computer, be sure to log out when finished. Otherwise the next person can view your course materials and can impersonate you in Email messages!

Homework Assignments:

You will be assigned graded homework problems to be answered on the computer through the LON-CAPA system. (Learning On Line Network-Computer Assisted Personalized Approach). Information on this system can be found on the class Blackboard site. **It is okay, even encouraged, to work in groups on these homework problems, though each student will be assigned an individual set of problems which he or she must answer.** (A discussion board linked to each problem will enable students to share hints and ideas with each other). Multiple attempts are possible. Grades are assigned to encourage you to work on the problems until mastered. (The objective is to achieve competency and understanding by continuing to try a problem until you get it correct). These on-line problems may sometimes be different from those in the book or those on quizzes, but they cover the same concepts.

Problem sets will generally be available on Tuesday mornings and must be completed by midnight Sunday. However, the instructor may not be available to answer questions on the week-ends if you encounter problems, so you should start working on the set during the week and not wait until the last minute.

In addition, all "Practice Exercises" (within each chapter) and "Review Exercises" (at the end of each chapter) are recommended as homework. The instructor may recommend specific exercises from these that are especially relevant. These exercises, as well as problems worked in lecture, are indicative of the types of problems appearing on quizzes and examinations. This homework will not be collected or graded; it is intended for your practice and self-study. Please understand that doing these exercises is essential to learning the course material. *You haven't mastered a topic until you can solve the relevant exercises on your own.*

Links to additional helpful material will be available on the Blackboard web site, including a link to the publisher's student companion site for your textbook. This site contains practice quizzes that may help you to understand the material better.

Study Hints:

Prepare for class. Read the book before material is to be covered in class, and come prepared with questions on things you don't understand. Take good lecture notes and revise them shortly after class while the material is fresh in your mind. Develop a content outline from the notes to serve as a study guide for each exam. In addition to the quizzes and LON-CAPA homework, try as many of the end-of-chapter problems as you can. When you have trouble working a problem, after it is explained try working another similar one from those at the end of the chapter. Use the web to help clarify things, but don't expect the computer to replace the need for old-fashioned studying!

Grading:

The course grade will be calculated on the basis of 900 points, distributed as follows:

Three Hour Tests, * 100 points each:	300 points
Final Exam, 100 points x 2:	200 points
Quizzes (10 points each, best 9 of 11)	90 points
LON-CAPA Homework, 10 points each, highest 9 counted:	90 points
Laboratory (20 points each laboratory session, best 11 of 12)	220 points
Total	900 points

***Exam grade can replace a lower Hour Test grade, including a zero for an unexcused missed Hour Test.**

Grading Scale:

Letter Grade	Total Score divided by 9
A	90-100
A-	87-89.9
B+	83-86.9
B	80-82.9
B-	77-79.9
C+	73-76.9
C	70-72.9
C-	65-69.9
D+	62-64.9
D	60-61.9
D-	57-59.9
F	0-56.9

(I will reserve the right to lower the cut-off score at a grade level, but will not raise it.)

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, 108 Student Services Building, 97 Woodward Ave., South, 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>