CHM 1045 **General Chemistry I** **Spring 2007**
Sections 11-17 **10:10-11:00 MWF**
Dr. Dudley **Syllabus** **255 FLH**

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Office Hours: 3:30-5:00 Thurs
2:00-3:30 Fri (or by appointment)
Textbook: *Chemistry and Chemical Reactivity*
Kotz, Treichel, and Weaver, 6th Edition

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

Thursday Recitation Schedule:

Section	Time	Room	Recitation Instructor	Course Ref. Number
11	8:00-8:50 am	219 HTL	Ed	06440
12	9:00-9:50 am	219 HTL	Ed	06441
13	10:00-10:50 am	219 HTL	Ed	06442
14	12:30-1:20 pm	219 HTL	Supriya	06443
15	1:30-2:20 pm	219 HTL	Supriya	06444
16	2:30-3:20 pm	219 HTL	Mike	06445
17	3:30-4:20 pm	219 HTL	Mike	06446

Note which section you are enrolled in and attend the appropriate lecture and recitation 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:

MAC 1105 with a grade of "C-" or higher, or MAC 1105 "waived" based on the student's score on the Advanced Math Placement (AMP) exam, the SAT, or the ACT.

Calculator:

A calculator capable of the operations 10^x, e^x, log x, and ln x is required. **Programmable calculators are not allowed.** See the following site for details on this policy: http://www.chem.fsu.edu/editors/Sdillon/genchemlab/common/calculator.html

Course Description/Objectives

This course is intended for science majors who will take further chemistry courses. It is a prerequisite to General Chemistry II (CHM 1046) and more advanced chemistry courses. It will count for liberal studies credit, but non-science majors desiring a single terminal course in chemistry should consider CHM 1020 instead. CHM 1030 is an alternative shorter general chemistry course leading to CHM 2200C, a one-semester organic chemistry course intended for some majors in the College of Human Sciences. Students with credit in CHM 1020 or CHM 1030 who are switching to a major requiring the main chemistry sequence may take CHM 1045 for reduced credit.

The course covers the first twelve chapters of the textbook, with the exception of chapter ten. Topics include measurement and dimensional analysis, classification of matter, periodic properties of the elements, composition and nomenclature of compounds, quantitative relationships in chemical reactions, reactions in aqueous solution, properties of gases, thermochemistry, atomic structure, chemical bonding, and molecular structure.

By the end of the course students should have a working knowledge of the concepts covered in each chapter, including an ability to write and name chemical formulas, to predict and write equations for some chemical reactions, to calculate mass and energy relationships between products and reactants, to describe the electronic structure of atoms and the bonding in molecular and ionic compounds, and to calculate property changes in gases. Specific objectives for each chapter are available in the textbook.

Exams:

There will be four Hour Tests and a Final Exam. Note their scheduled dates now and plan your calendar accordingly. There **will be no make-up tests.**

Hour Test 1 **Monday, January 29**
Hour Test 2 **Monday, February 26**
Hour Test 3 **Monday, March 26**
Hour Test 4 **Monday, April 16**
Final Exam **Wednesday, April 25, 10:00 am - 12:00 pm (Block Exam time)**

Recitations and quizzes:

Attendance at recitation is required. Short quizzes will be given in each recitation. Part of your grade will be determined by your performance in recitation.

Extra Credit Homework:

You will be given the opportunity to complete homework problems on-line through the OWL system. (On-line Web-based Learning). Information will be provided.

Other Homework:

Additional practice problems can be obtained online at the textbook web site has some practice quizzes. In addition, 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 and exam!*

Study Hints:

Take an active role, not a passive one, in learning new material! Prepare for class and recitation 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.

Grading:

The course grade will be calculated on the basis of 800 points, distributed as follows:

Four Hour Tests,* 100 points each:	400 points
Final Exam, 100 points x 2.5:	250 points
Recitation participation (5 points quiz, 5 points attendance) 10 points each, highest 10 counted:	100 points
Total	750 points

*__No make-up tests. Final exam grade will replace excused absence grade.__

Grading Scale:

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

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/

When you log in to Blackboard (at http://campus.fsu.edu), you will find three links associated with this course. One is the general link for the lecture, and most of the course lecture materials will be found at this site. A second will be the link for your recitation section. This is the site your recitation instructor will use to communicate with you and to post your recitation grades. The third is a link to the laboratory portion of the course.

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!

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 form 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