

CHEMISTRY 1142
General Chemistry I

TEXTS: *General Chemistry: An Integrated Approach*, 4th edition by Hill , Petrucci *et al.*
Each student must also purchase the safety goggles available in the bookstore.

GRADING: Accumulation of 900 or more of available points will guarantee an A; 800 or more points a B; 700 or more points a C; 600 or more points a D. The totals required for a given grade may be adjusted downward but will not be increased. Points will be distributed as follows:

3 ninety minute exams (200 pts each)	600
Final exam	200
Laboratory	100
Pop quizzes, homework, short quizzes, misc.	<u>100</u> **
Total	1000

**There will be 10 or more pop quizzes, homework, short quizzes, and misc. A minimum of the three lowest (but possibly more depending on the actual number) will be dropped. There will be no make-ups for missed pop quizzes and late homework assignments will not be accepted.

Tentatively, exams are scheduled as follows:

1st exam:
2nd exam:
3rd exam:
Final exam:

Do not miss any of the exams. Make-up exams will be different and considerably more difficult than the scheduled ones.

Exams, pop quizzes and homework will evaluate your knowledge and mastery of the topics in the textbook, the laboratory, lecture, and any supplemental readings. The skills and knowledge required for a passing grade are illustrated by the problems and exercises in these sources. It is imperative that you work as many of these problems and exercises as possible. Chemistry is similar to learning a foreign language and cannot be mastered without frequent and intense practice and a good deal of memorization. **Pop quizzes will generally cover material which has recently been discussed in class. Homework may occasionally require reading ahead in the textbook and require independent thought in order to successfully complete the exercise.** Homework assignments are always to be completed without collaboration with anyone else. **Collaboration on homework assignments is cheating and will be dealt with through established university dishonesty procedures.**

The laboratory is an integral part of this course. As such, absences from scheduled laboratories will be frowned upon and will only be excused under extraordinary circumstances. Regardless

of the total points accumulated otherwise, it will not be possible to obtain a passing grade in Chemistry 1142 without a passing grade in the laboratory. Laboratories will be conducted on Wednesday of most weeks. You will generally be given a handout on Monday for that Wednesday's lab exercise and are expected to carefully read and familiarize yourself with the procedures and techniques prior to the laboratory period.

Class attendance in CHM 1142 is mandatory. Material which is not in the textbook will often be discussed. Material will often be discussed in greater depth than in the textbook. It does no good to notify me that you will be missing class; you will still miss important material. Do not ask me what was covered in a lecture that you missed; it took over an hour for me to present the material, and it cannot be summarized in an Email or telephone conversation.

A sizable amount of supplemental material will be delivered via the course web site and through the use of a course mailing list. Details will be provided during the first few class meetings.

AMERICANS WITH DISABILITIES ACT:

Students with disabilities, or those who suspect they have a disability, must register with the Disability Services Coordinator in order to receive accommodations. Students currently registered should present their Disability Services Accommodation Letter to the instructor at the beginning of each term. If you have any questions, contact the Disability Services Coordinator at (334) 983-6556 ext 1221 or visit Malone Hall 120.

Since campus elevators are subject to power outages and mechanical breakdown beyond our control, students who have difficulty negotiating stairs and are attending classrooms above ground level should notify their instructor during the first week of class. Consideration will be given to relocating the classroom or making other arrangements.

Schedule of Topics

We will begin with Chapter 2 in the textbook; specifically Sections 2.3-2.8. We will then start in Chapter 1 and go straight through Chapter 9. Occasionally, we will skip some sections. I will advise you in advance of these sections. You should plan on covering about 1/2-3/4 of a chapter per week.

This is an ambitious schedule. It is imperative that you: a) keep up and b) devote at least eight to ten hours (as an absolute bare minimum) per week to chemistry. This will probably be the most difficult course you encounter in your college careers (at least until you take Gen Chem II and then Organic Chem.). **DO NOT UNDERESTIMATE THE TIME AND EFFORT REQUIRED TO SUCCEED.**

Suggested End of Chapter Problems

Note: This list should be considered minimal and is only intended to illustrate the types of problems you are expected to master. It is impossible to work too many problems.

Chapter 1--	31, 35, 41, 42, 49, 50, 53, 57, 60, 71, 78,103
Chapter 2--	12, 31, 34, 49, 51, 53, 55, 58, 63, 64
Chapter 3--	17, 19, 22, 23, 39, 40, 42, 53, 58, 63, 67, 74, 86, 87, 96, 104, 106
Chapter 4--	30, 43, 45, 50, 53-56, 57-64, 66, 73, 75-79, 112
Chapter 5--	22, 32, 38, 43, 56, 59, 74, 100, 101
Chapter 6--	26, 27, 44, 47, 49, 50, 52, 55, 56
Chapter 7--	31, 32, 36, 42, 53, 54
Chapter 8--	24, 27, 32, 41, 46
Chapter 9--	25, 33, 34, 36, 38, 39, 40, 47, 54,