

College Chemistry (C111) – Spring 2006

Instructor: Rita Klein
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Class time/room: MW 11:30 am to 12:45 pm; Bldg. 17, room 127A

Required materials: Chemistry; The science in context; T.R. Gilbert, R.V. Kirss, G. Davies
Calculator capable of scientific notation [required].
All associated aids for students, including student solution manual and CD, are recommended.

Course Content:

We will cover Chapters 1-9 of the textbook.

Exams:

There will be 3 midterm and a final *cumulative* tests.

The midterms will be worth 150 pts each and the final will be worth 400 pts.

Your lab. and lecture scores will be combined to determine your grade. The score from your lecture will be 80% and the score from your lab will be 20% of your final grade.

Your grades will be entered in the Blackboard grade book.

Exam schedule:

Exam 1	2/8/2006
Exam 2	3/15/2006
Exam 3	4/26/2006
Final	5/8/2006

Exam dates will not be changed. No make-up exams will be administered in the case of a missed exam.

Course grading:

Student earning	will be assigned a grade of
90-100%	A
80-89%	B
70-79%	C
60-69%	D
<60%	F

Homework:

Some exercises will be suggested.

Attendance:

Attendance is not mandatory. You are responsible for learning the material provided in class, in the text, and on the internet. The material presented in class will aid you in this effort. You will need to attend laboratory and take the tests at the specified time and location.

Learning Objectives:

At the successful conclusion of this course, a student should be able to demonstrate proficiency at a 70 % level in the following areas, as measured by written exams and graded homework.

- A. Critical thinking and problem solving skills:** understand, complete and balance simple chemical reactions, understand and solve problems involving stoichiometry and molarity
- B. Communication skills:** draw and describe subatomic, atomic, ionic and molecular structures; describe and use the concepts of orbitals and bonding; write and use chemical formulae; use nomenclature and structural drawings to describe chemical compounds.

C. Breadth of knowledge and intellectual perspective: use and understand trends in the periodic table to describe and draw subatomic, atomic and ionic structures; understand the characteristics of and relationships between physical states of matter and the difference between physical and chemical changes.

D. Cultural perspective: understand the relationship of chemistry to the world in which we live.

Schedule:

The schedule is approximate. The test dates are fixed, the material we cover before each test may vary.

Week of (2006)	Chapter
1/16	1
1/23	1+2
1/30	2 + 3
2/6	3 and exam
2/13	4
2/20	4 + 5
2/27	5
3/6	6
3/13	Review and exam
3/20	7
3/27	No lecture; Spring break
4/3	7 + 8
4/10	8 + 9
4/17	9
4/24	Review and exam
5/1	Review all
5/8	Final exam