Chem 1211K - Principles of Chemistry I

Instructor: Dr. Boatright Office: 2118 Phone: 678-839-6028
email: dboatrig@westga.edu Office Hours: MW 1-2, TR 9:30-11:30, 12:30-2:30

Text: **Chemistry–The Molecular Nature of Matter and Change**, 4th edition, Silberberg

Workshop Chemistry (Chem 1003) required

Attendance is mandatory. A student will be awarded a failing grade in the course if more than 30% of laboratory activities are missed. No make-up exams will be given.

Grading:	Workshop	15%	
	Activities	20%	Includes Lab Final (4%)
	Exams	65%	4 exams + final (13% each)

The final will be the American Chemical Society standardized test which will cover the entire semester. A standard 10 point scale will be used. If you miss an exam for any reason your final exam score will replace that exam. No extra time will be given for exams, so please arrive on time. **No extra credit will be offered. Cheating will not be tolerated. Any infraction will be taken before the disciplinary committee and played out to the fullest extent.**

Syllabus Spring 2007:

Chapter:	**Subject:**
1	Keys to the Study of Chemistry
2	The Components of Matter
3	Stoichiometry of Formulas and Equations
	Exam I Wednesday, January 31
4	The Major Classes of Chemical Reactions
5	Gases and the Kinetic-Molecular Theory
	Exam II Monday, February 26
6	Thermochemistry: Energy Flow and Chemical Change
7	Quantum Theory and Atomic Structure
	Exam III Wednesday, March 28
8	Electron Configuration and Chemical Periodicity
9	Models of Chemical Bonding
10	The Shapes of Molecules
	Exam IV Monday, April 23
	Lab Final Wednesday, April 25 (Last day of class)
	Final Exam Monday, April 30, 8 am - 10 am

Learning Outcomes: Students are expected to acquire a basic understanding of the following topics: composition of matter, reactions and reaction stoichiometry, properties of gases, thermochemistry, atomic structure, and chemical bonding. They are also expected to acquire an awareness of the role of Chemistry in everyday life. Students will also learn to apply the scientific method in laboratory activities, collect and analyze scientific data and formulate appropriate conclusions from data analyses and communicate their findings.