Chemistry 150 – General Chemistry I

Fall 2009, MWF 8:30-9:20am (SL104)

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Office hours: {Office hours subject to change, check web page}

Required Material: "Chemistry: A Molecular Approach"; Tro
Mastering Chemistry {MC} System access (online homework system)

CHEM 150 General Chemistry I [4I 4 4L] (3)
General chemistry principles: atomic structure, stoichiometry, solutions, bonding, periodic properties of the elements, thermochemistry, and properties of solids, liquids and gases. Should register for CHEM 150L (lab) to be taken concurrently. Must have completed an acceptable placement score, a minimum ACT mathematics score, or successful completion of MDEV 127.

Class Blog: msumgenchem.blogspot.com

A class blog is being used for Chem 150 this semester.

- All class announcements will be posted to the class blog
- After each day's class, I will post a *brief* summary of the day's class. These will not be "lecture notes", but a way for all of us to keep track of what's happening in class.
- Any questions that I receive via email will be answered to the blog and only to the blog.
- The blog permits anonymous comments. If you have questions about a day in class or a problem that is posted, you may respond/comment without your identity being revealed.

Grading:

Grades will be based upon 3 of 4 exams (150pts each, tentative dates Sept. 14, Oct. 5, Oct. 26, Dec. 4), MC assignments (100pts), and a final exam (200pts).

Exams	3 x 150 =450pts
MC	100pts
Final Exam	200pts
Total Points	*750pts*

Tentative grade assignments are: A = 90-100%, B = 80-90%, C = 70-80%, D = 60-70%. These cutoffs *may* be lowered at the instructor's discretion, but they will not be raised.

Regular and punctual attendance is expected and may be recorded. Late arrival on exam days is not acceptable as it disturbs those who arrive on time; therefore, no exams will be distributed after the test period has begun. If you anticipate that this will be a problem, let me know **BEFORE** the exam. There will be no make-up exams. Exams will be closed book and a calculator will typically be allowed. No graphing/programmable calculators, no cell phone calculators, and no sharing of calculators during the exams. The Final Exam will be cumulative. Anyone who does not take the final exam will receive a grade of "F" for the course regardless of previous performance.

Mastering Chemistry assignments will be made on a regular basis relating to the current lecture material. Sufficient time will be given between lecture and the MC deadlines that no extensions will be required. Although MC is a very useful tool, it is not sufficient to *only* do the MC problems. Regularly attempting the problems in the text will also be required for your success.

Academic Honesty
Cheating will not be tolerated and will be reported to the Dean of your College and the Vice President for Academic Affairs. It may also be reported to the Student Conduct Committee for further disciplinary action. For a full description of the MSUM Academic Honesty Policy, please see the Student Handbook. {http://www.mnstate.edu/sthandbook/POLICY/index.htm}

Disability Access Statement: Students with disabilities who believe they may need an accommodation in this class are encouraged to contact Greg Toutges, Coordinator of Disability Services at 477-5859 (Voice) or 1-800-627-3529 (MRS/TTY), CMU 114 as soon as possible to ensure that accommodations are implemented in a timely fashion.

Tentative Lecture Schedule

Dates	**Chapter**	
Aug. 24-26	1 – Matter, Measurement, and Problem Solving	2
Aug. 28-Sept. 2	2 – Atoms and Elements	3
Sept. 4-11	3 – Molecules, Compounds and Chemical Equations	3
Sept. 14	Exam 1	1
Sept. 16-25	4 – Chemical Quantities and Aqueous Reactions	5
Sept. 28-Oct. 2	5 – Gases	3
Oct. 5	Exam 2	1
Oct. 7-Oct. 16	6 – Thermochemistry	4
Oct. 19-23	7 – The Quantum-Mechanical Model of the Atom	3
Oct. 26	Exam 3	1
Oct. 28-Nov. 6	8 – Periodic Properties of the Elements	5
Nov. 9-13	9 – Chemical Bonding I: Lewis Theory	3
Nov. 16-Dec. 2	10 – Chemical Bonding II: Molecular Shapes, Valence Band Theory, and Molecular Orbital Theory	5
Dec. 4	Exam 4	1
Dec. 7	Review	1
Dec. 16	Final Exam, 9am	