

## Chemistry 150 – General Chemistry I Fall 2007, MWF 11:30-12:20pm (SL104)

Dr. Jeffrey J. Bodwin  
Hagen 407H

477-4371 (office)

bodwin@mnstate.edu  
<http://www.mnstate.edu/bodwin/>

**Office hours:** M 9-10; T 1:30-4:30; W 10-11, 12:30-3:30; Th 12:30-1:30; F 9-10  
Other times may be arranged if necessary.  
{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 [ B1 4 4I 4L ] (4cr)

General chemistry principles: atomic structure, stoichiometry, solutions, bonding, periodic properties of the elements, thermochemistry, and properties of solids, liquids and gases. Lab included. Safety exam must be passed to remain in CHEM 150 or subsequent lab courses. One of the following is required: a minimum MnSCU math placement exam score, a minimum ACT mathematics score, or successful completion of PDEV 100.

### Class E-Mail List:

chem150jb@mnstate.edu

An email listserv has been created for this class. It will be used for class announcements including Mastering General Chemistry assignment. It is also where I will respond to all email questions. If you have questions, you can either email them to the list or to me directly. All relevant questions mailed to me directly will be answered to the list with the questioner’s identity removed. To subscribe to the list, send an email to “majordomo@mnstate.edu” with “subscribe chem150jb” in the body. This should be done as soon as practical from the email account you are most likely to check on a regular basis.

**Seminar “Bonus” Points:** There will be a number of chemistry-related seminars presented throughout the semester and you are eligible to receive up to 10 bonus points for attending these seminars. Each seminar will be worth up to 5 points; 1 point for signing in at the seminar and up to 4 points for a half-page summary of the seminar. Summaries are due within 4 days of the seminar. For additional details and scheduled seminars, please see the class web page.

### Grading:

Grades will be based upon 3 of 4 exams (150pts each, tentative dates Sept. 17, Oct. 8, Oct. 29, Dec. 5), MC assignments (100pts), a final exam (200pts), and the lab grade (250pts).

Exams	3 x 150 =450pts
MC	100pts
Final Exam	200pts
Lab grade	250pts
<i>Total Points</i>	<i>1000pts</i>

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.

You lab grade is 25% of your course grade and is determined by your lab instructor. At the end of the semester, your lab and lecture grades will be combined using the point breakdown shown above, with your performance in lab scaled to 250 points.

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. 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. 27-29	1 – Matter, Measurement, and Problem Solving
Aug. 31-Sept. 7	2 – Atoms and Elements
Sept. 10-14	3 – Molecules, Compounds and Chemical Equations
Sept. 17	Exam 1
Sept. 19-28	4 – Chemical Quantities and Aqueous Reactions
Oct. 1-5	5 – Gases
Oct. 8	Exam 2
Oct. 10-Oct. 19	6 – Thermochemistry
Oct. 22-26	7 – The Quantum-Mechanical Model of the Atom
Oct. 29	Exam 3
Oct. 31-Nov. 9	8 – Periodic Properties of the Elements
Nov. 12-26	9 – Chemical Bonding I: Lewis Theory
Nov. 26-Dec. 3	10 – Chemical Bonding II: Molecular Shapes, Valence Band Theory, and Molecular Orbital Theory
Dec. 5	Exam 4
Dec. 7-10	Review
Dec. 17	Final Exam, noon