Chemistry 210 – General Chemistry II **Winter 2006, 9am MWF (SL104)**

Dr. Jeffrey J. Bodwin bodwin@mnstate.edu
003 Science Lab 477-4371 (office) http://www.mnstate.edu/bodwin/

Office hours: M (10-12, 3-5), T (11-1), R (8-10), F (10-12)
Other times may be arranged if necessary.

Required Material: Chemistry: The Molecular Science"; Moore, Stanitski and Jurs
OWL (**O**n-Line **W**eb-Based **L**earning) System access

CHEM 210 General Chemistry II [B1] (4)
General chemistry principles: kinetics, chemical equilibrium, acid-base chemistry, solubility equilibrium, thermodynamics, oxidation-reduction, electrochemisty, coordination chemistry, and nuclear chemistry. Lab included. Prerequisite: CHEM 200

Class E-Mail List: chem210jb@mnstate.edu
An email listserv has been created for this class. It will be used for class announcements and is 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 course-content questions emailed to me 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 chem210jb" 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.

Class Web Site: http://www.mnstate.edu/bodwin/
A website for this course is being developed/constructed which contains information relevant to the class including all handouts. Any feedback regarding additional content or links that would be useful on the Chem 210 website is welcome.

Grading:
Grades will be based upon 3 of 4 exams (150pts each, approximate dates Jan. 27, Feb. 24, Mar. 27, Apr. 26), OWL assignments (100pts), a final exam (200pts), and the lab grade (250pts).

Exams	3 x 150 =	450pts
OWL		100pts
Final Exam		200pts
Lab grade		250pts
Total Points		*1000pts*

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 required. 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.

OWL assignments will be made on a regular basis relating to the current lecture material. Sufficient time will be given between lecture and the OWL deadlines that no extensions will be required. Although OWL is a very useful tool, it is not sufficient to *only* do the OWL problems. Regularly attempting the problems presented 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 477-2652 (phone) or 477-2047 (TTY), CMU 222 as soon as possible to ensure that accommodations are implemented in a timely fashion.

Tentative Course Schedule

Day, Date	Topic	Text Book
Jan. 11	States of Matter	10, 11, 15
Jan. 13	States of Matter	10, 11, 15
Jan. 18	States of Matter	10, 11, 15
Jan. 20	States of Matter	10, 11, 15
Jan. 23	States of Matter	10, 11, 15
Jan. 25	States of Matter	10, 11, 15
Jan. 27	**Exam 1**	
Jan. 30	Kinetics	13
Feb. 1	Kinetics	13
Feb. 3	Kinetics	13
Feb. 6	Kinetics	13
Feb. 8	Kinetics	13
Feb. 10	Equilibrium	14
Feb. 13	Equilibrium	14
Feb. 15	Equilibrium	14
Feb. 17	Equilibrium	14
Feb. 20	Equilibrium	14
Feb. 22	Equilibrium	14
Feb. 24	**Exam 2**	
Feb. 27	Acids & Bases	16
Mar. 1	Acids & Bases	16
Mar. 3	Acids & Bases	16
Mar. 6	Acids & Bases	16
Mar. 8	Acids & Bases	16
Mar. 10	Additional Aqueous Equilibria	17
Mar. 13-17	*Spring Break*	
Mar. 20	Additional Aqueous Equilibria	17
Mar. 22	Additional Aqueous Equilibria	17
Mar. 24	Additional Aqueous Equilibria	17
Mar. 27	**Exam 3**	
Mar. 29	Thermodynamics	18
Mar. 31	Thermodynamics	18
Apr. 3	Thermodynamics	18
Apr. 5	Thermodynamics	18
Apr. 7	Thermodynamics	18
Apr. 10	Thermodynamics	18
Apr. 12	Electrochemistry	19
Apr. 17	Electrochemistry	19
Apr. 19	Electrochemistry	19
Apr. 21	Electrochemistry	19
Apr. 24	Electrochemistry	19
Apr. 26	**Exam 4**	
Apr. 28	Nuclear Chemistry	20
May 1	Nuclear Chemistry	20
May 3	Review	
May 10	Final Exam, 9am	