

Chemistry 210 – General Chemistry II

Summer 2006

Class: 9:45-11:45am MTWH (SL118)

Lab: 12:30pm-4:30pm MW or TH (SL302)

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Office hours:

Friday 9-2

Required Material:

Chemistry: The Molecular Science"; Moore, Stanitski and Jurs
Laboratory notebook with carbon-copy pages (MSUM bookstore)
Experiments for General Chemistry Lab II (Chem Dept)
Safety Goggles (Chem Dept)

CHEM 210 General Chemistry II [B1] (4)

General chemistry principles: kinetics, chemical equilibrium, acid-base chemistry, solubility equilibrium, thermodynamics, oxidation-reduction, electrochemistry, 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 on 4 exams (150pts each), a final exam (150pts), and lab grade (250pts).

Exams	4 x 150 = 600pts
Final Exam	150pts
<u>Lab grade</u>	<u>250pts</u>
<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.

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.

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	Lab
July 10	States of Matter	Ch. 10, 11, 15	Freezing Point Depression
July 11	Kinetics	Ch. 13	Freezing Point Depression
July 12	Kinetics	Ch. 13	Iodination of Acetone
July 13	Kinetics	Ch. 13	Iodination of Acetone
July 17	Exam #1, Equilibrium	Ch. 14, 17	Calcium Iodate
July 18	Equilibrium	Ch. 14, 17	Calcium Iodate
July 19	Equilibrium	Ch. 14, 17	Iron Thiocyanate
July 20	Equilibrium	Ch. 14, 17	Iron Thiocyanate
July 24	Exam #2, Acids & Bases	Ch. 16, 17	Acetic Acid
July 25	Acids & Bases	Ch. 16, 17	Acetic Acid
July 26	Acids & Bases	Ch. 16, 17	Titrations, Indicators and Buffers
July 27	Acids & Bases	Ch. 16, 17	Titrations, Indicators and Buffers
July 31	Exam #3, Thermodynamics	Ch. 18	Standardization
August 1	Thermodynamics	Ch. 18	Standardization
August 2	Thermodynamics	Ch. 18	Qualitative Analysis
August 3	Thermodynamics	Ch. 18	Qualitative Analysis
August 7	Exam #4, Redox	Ch. 19	Voltaic Cells
August 8	Redox	Ch. 19	Voltaic Cells
August 9	Redox	Ch. 19	Practicum
August 10	Final Exam		Practicum