

# Chemistry 210 – General Chemistry II

Summer 2009  
8:20-10:30am MTWH (SL118)

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## Office hours:

Monday/Wednesday 11-2, Friday 9-12

## Required Material:

An appropriate textbook is recommended

## CHEM 210 General Chemistry II (3)

General chemistry principles: kinetics, chemical equilibrium, acid-base chemistry, solubility equilibrium, thermodynamics, oxidation-reduction, electrochemistry, coordination chemistry, and nuclear chemistry. Should register for CHEM 210L to be taken concurrently. Prerequisite: CHEM 150

## Class Blog:

[msumgenchem.blogspot.com](http://msumgenchem.blogspot.com)

A class blog is being used for Chem 210 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) and a final exam (200pts).

Exams	3 x 150 = 450pts
Final Exam	200pts
<i>Total Points</i>	<i>650pts</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. 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.

## 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	Lab
June 22	States of Matter	
June 23	Kinetics	Freezing Point Depression
June 23	Kinetics	
June 25	Kinetics	Iodination of Acetone
June 29	Exam #1, Equilibrium	
June 30	Equilibrium	Calcium Iodate
July 1	Equilibrium	
July 2	Equilibrium	Iron Thiocyanate
July 6	Exam #2, Acids & Bases	
July 7	Acids & Bases	Acetic Acid
July 8	Acids & Bases	
July 9	Acids & Bases	Titrations, Indicators and Buffers
July 13	Exam #3, Thermodynamics	
July 14	Thermodynamics	Qualitative Analysis
July 15	Thermodynamics	
July 16	Thermodynamics	Voltaic Cells
July 20	Exam #4, Redox	
July 21	Redox	Practicum
July 22	Redox, Nuclear	
July 23	Final Exam	Practicum

**CHEM 210L General Chemistry Laboratory II (1)** Laboratory techniques of general chemistry including qualitative and quantitative analysis. Course should be taken concurrently with CHEM 210.

Required Materials: Laboratory notebook with carbon-copy pages (MSUM bookstore)  
Experiments for General Chemistry Lab II (Chem Dept)  
Safety Goggles (Chem Dept)

### Grading:

Points for Chem 210L will be based upon the following:

Pre-Lab Exercises	8 x 4pts = 32pts
Notebook carbons	10 x 3pts = 30pts
Hand-In Assignments	8 x 12pts = 72pts
Practicum	20pts
<u>Safe Practices</u>	<u>6pts</u>
Total	160pts

Pre-lab exercises are due by 2pm the day before your lab. If you do not submit your pre-lab exercises, you will not be allowed to participate in the experiment and will lose all points associated with that experiment. Notebook carbons must be turned in before you leave lab each day. If you do not turn in your carbons, you will not receive credit for the lab assignment. You will be working with a partner in the lab, and you are welcome to work together on data analysis, but each student will be required to submit individual assignments. Lab assignments are due at the beginning of the lab period following completion of the experiment (you may hand them in sooner if you prefer). Late assignments will not be accepted. Failure to receive credit for 3 (or more) lab reports and/or hand-in assignments will result in a grade of "F" for the course. There will be no make-up labs.