

## Chemistry 210 – General Chemistry II

Spring 2013, MWF 8:30-9:20am (SL104)

Dr. Jeffrey J. Bodwin  
Hagen 103E/407H

477-4371 (office)

bodwin@mnstate.edu  
<http://www.drbodwin.com/teaching>

### Office hours:

{Office hours subject to change, check web page}

### Required Material:

“Chemistry” 3<sup>rd</sup> Edition; Gilbert, Kirss, Foster & Davies

**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.

### 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
- 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 hour exams (150pts each, Feb. 8, Mar. 1, Apr. 3, May 3) and a final exam (200pts, May 15, 9am).

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.

If you have a legitimate conflict with an exam, let me know as soon as possible. There will be no make-up exams without advanced notice. Your 3 highest exam score will count, the lowest (for whatever reason) will be dropped. 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.

No graphing/programmable calculators, no cell phone calculators, and no sharing of calculators during the exams. If your calculator cost more than \$30 or is much more advanced than a TI-30, it is probably not allowed. Be sure to use your exam calculator for all of your homework problems; during an exam is *not* the best time to be trying to learn how to use your calculator.

**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 Judicial Affairs Officer and 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, Director of Disability Services at 477-4318 (Voice) or 1-800-627-3529 (MRS/TTY), Flora Frick 154 as soon as possible to ensure that accommodations are implemented in a timely fashion.”

## Tentative Lecture Schedule

<b>Dates</b>	<b>Chapter</b>	
Jan 14	6 – Gases	
Jan 16	6 – Gases	
Jan. 18	12 – Solids	
<b>Jan. 21</b>	<b>No Class – MLK Day</b>	
Jan. 23	12 – Solids	
Jan. 25	11 – Solutions	
Jan. 28	11 – Solutions	
Jan. 30	11 – Solutions	
Feb. 1	14 – Thermodynamics	
Feb. 4	14 – Thermodynamics	
Feb. 6	14 – Thermodynamics	
<b>Feb. 8</b>	<b>Exam 1</b>	
Feb 11	15 – Kinetics	
Feb 13	15 – Kinetics	
Feb. 15	15 – Kinetics	
Feb. 18	15 – Kinetics	
Feb. 20	16 – Equilibrium	
Feb. 22	16 – Equilibrium	
Feb. 25	16 – Equilibrium	
Feb. 27	16 – Equilibrium	
<b>Mar 1</b>	<b>Exam 2</b>	
Mar. 4	17 – Acids & Bases	
Mar. 6	17 – Acids & Bases	
Mar. 8	17 – Acids & Bases	
<b>Mar. 11-15</b>	<b>No Class – Spring Break</b>	
Mar. 18	17 – Acids & Bases	
Mar. 20	17 – Acids & Bases	
Mar. 22	17 – Acids & Bases	
Mar. 25	17 – Acids & Bases	
Mar. 27	17 – Acids & Bases	
<b>Mar. 29 – Apr. 1</b>	<b>No Class</b>	
<b>Apr 3</b>	<b>Exam 3</b>	
Apr. 5	17, 18 – Aqueous Equilibrium	
Apr. 8	17, 18 – Aqueous Equilibrium (X)	
Apr. 10	17, 18 – Aqueous Equilibrium (X)	
Apr. 12	17, 18 – Aqueous Equilibrium	
Apr. 15	17, 18 – Aqueous Equilibrium	
Apr. 17	17, 18 – Aqueous Equilibrium	
Apr. 19	19 – Oxidation and Reduction	
Apr. 22	19 – Oxidation and Reduction	
Apr. 24	19 – Oxidation and Reduction	
Apr. 26	19 – Oxidation and Reduction	
Apr. 29	21 – Nuclear Chemistry	
May 1	21 – Nuclear Chemistry	
<b>May 3</b>	<b>Exam 4</b>	
May 6	Review	
<b>May 15</b>	<b>Final Exam, 9:00am</b>	

Other important dates: Jan 21 (No class, MLK), Mar 11-15 (No class, Spring Break), Mar 29 (No class), Apr 1 (No class), Apr 16 (No class, Student Academic Conference), May 8 (Study Day)