

## Chemistry 160 – General Chemistry II Summer 2004, MTWR 9:45-11:45am

Dr. Jeffrey J. Bodwin  
411E Hagen

477-4371 (office)

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

### Office hours:

M & W 12-2pm, F 9-11am  
Other times may be arranged if necessary.

**Required Material:** “Chemistry: Structure and Dynamics” 2<sup>nd</sup> Ed., Spencer, Bodner, Rickard  
“Chemistry: A Guided Inquiry” 2<sup>nd</sup> Ed., Moog and Farrell

### CHEM 160 General Chemistry II [B1] (3)

Fundamental principles of chemistry, a continuation of Chemistry 150. Concurrent registration in CHEM 165 required.

### Class E-Mail List:

[chem160jb@mnstate.edu](mailto:chem160jb@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 chem160jb” 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/courses/c160b/chem160b.htm>

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 160 website is welcome.

### Course Format:

Almost all of our time will be spent working in groups of 4. Each member of the group will be assigned a certain role for each day's activities. The composition of the groups and the roles of the individual members will change on a regular basis. The roles are:

*Manager:* The manager is in charge of the group. It is the manager's responsibility to keep the group on track and to ensure that all group members are fulfilling their roles. The manager is also the only person allowed to ask me questions; the group should formulate questions as a unit, but the manager must ask the question.

*Recorder:* Records the names and roles of each group member each day and provides the written answers for the entire group. The answers that are handed in by the recorder are the “official” answers for each group.

*Technician:* The technician is the **only** member of the group who is allowed to use a calculator, computer or any other “technology” when necessary. When calculations are required, the group should work together to set up the problem correctly, but only the technician is allowed to input numbers into a calculator or computer.

*Reflector:* The reflector observes and comments upon the group dynamics and behavior with respect to the learning process. These comments should be directed to the Manager (or Instructor) in an effort to improve group performance.

## Grading:

Grades will be based upon attendance/participation (50 pts), 4 exams (150pts each, July 12, 19, 26 and Aug. 2), quizzes (100pts) and a final exam (200pts). 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 will 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 may be required. The Final Exam will be cumulative.

## Tentative Course Schedule

Day, Date	Topic	Chem Activities	Text Book
T, July 6	Equilibrium	36, 37	Ch. 10
W, July 7	Equilibrium (Quiz)	38, 39	Ch. 10
R, July 8	Equilibrium (Quiz)	40, 41	Ch. 10
M, July 12	Exam #1		
T, July 13	Acids & Bases	42, 43	Ch. 11
W, July 14	Acids & Bases (Quiz)	44, 45	Ch. 11
R, July 15	Acids & Bases (Quiz)	46, 47	Ch. 11
M, July 19	Exam #2		
T, July 20	Kinetics	57, 58	Ch. 14
W, July 21	Kinetics (Quiz)	59, 60	Ch. 14
R, July 22	Kinetics (Quiz)	61, 62	Ch. 14
M, July 26	Exam #3		
T, July 27	Gas Laws, Thermodynamics	34, 52	Ch. 6 and 13
W, July 28	Thermodynamics (Quiz)	53, 54	Ch. 13
R, July 29	Thermodynamics (Quiz)	55, 56	Ch. 13
M, Aug 2	Exam #4		
T, Aug 3	Redox	48, 49	Ch. 12
W, Aug 4	Redox (Quiz)	50, 51	Ch. 12
R, Aug 5	Final Exam		

## 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.