CH 221 - Winter 2010

**Instructor:** Margaret D. Haak  
Office Hours: Wednesday 2:30 – 3:30 pm (Mole Hole)  
Thursday 11 am – noon (Mole Hole)  
and by appointment  
Gilbert 111  
737-6716  
margie.haak@oregonstate.edu

**Lecture time/location:**  
11:00 – 11:50 am Gilbert 224  
1:00 - 1:50 pm Gilbert 124

**Exams:**  
Exam 1 Thursday January 28  7:30 - 8:50 pm  
Exam 2 Thursday February 25  7:30 - 8:50 pm  
Final Exam Wednesday March 17  8:00 - 9:50 pm

**Mastering Chemistry:** Mastering Chemistry is the on-line homework system that we use in CH 221, 222, 223. Follow the directions below to purchase and/or register:

1. Go to http://www.masteringchemistry.com  
2. Click on the Brown, LeMay, Bursten, & Murphy 11e book cover  
3. Click on the Buy Now button if you want to purchase this online  
4. Click on the Student Register button if you have already purchased your subscription  
5. Setting your Student ID: Use your OSU ID number, enter this number with no dashes and no spaces  
6. Course ID: CH221W2010 (11 am lecture), CH221INTO (1 pm lecture).

**Laboratory:** Please be sure to read the CH 221 Laboratory Manual for information on writing laboratory reports, lab report due dates, the policy on late lab reports, and the policy on academic dishonest. You must earn at least 60% of the points for lab to pass the class.

**Recitation:** Attendance at all recitation section meetings is mandatory. If you do not attend recitation your TA can exclude you from participating in lab that week as you will have missed the lab lecture. This will result in a score of zero for that lab with no possibility for make-up. Missing recitation, or coming to recitation late, will also affect your class participation grade.

**Qwizdom remotes:** Please bring your Qwizdom remotes to lecture everyday. We will use the remotes frequently for in-class questions. Participating in these questions, regardless of whether your answer is right or wrong, along with attendance at recitation, is the basis for your participation grade for the course.

**Course Topics:**  
Chapter 1: Introduction: Matter and Measurement  
Chapter 2: Atoms, Molecules, and Ions  
Chapter 6: Electronic Structure of Atoms  
Chapter 7: Periodic Properties of the Elements  
Chapter 8: Basic Concepts of Chemical Bonding  
Chapter 9: Molecular Geometry and Bonding Theories  
Chapter 3: Stoichiometry: Calculations with Chemical Formulas and Equations  
Chapter 4: Aqueous Reactions and Solution Stoichiometry
**Components of Course Grade**

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>100</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
</tr>
<tr>
<td>Final Exam</td>
<td>150</td>
</tr>
<tr>
<td>Laboratory</td>
<td>150</td>
</tr>
<tr>
<td>Mastering Chemistry</td>
<td>50</td>
</tr>
<tr>
<td>Participation</td>
<td>50</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>600</strong></td>
</tr>
</tbody>
</table>

**Final Course grades**

A  92.0% and higher  
A- 90.0 - 91.9%  
B+ 88.0 - 89.9%  
B  82.0 - 87.9%  
B- 80.0 - 81.9%  
C+ 78.0 - 79.9%  
C  72.0 - 77.9%  
C- 70.0 - 71.9%  
D+ 68.0 - 69.9%  
D  62.0 - 67.9%  
D- 60.0 - 61.9%  
F <60.0%

** Please note that to earn a passing grade in this class you must earn at least 60% of the available points in both the laboratory and on the exams. A score below 60% in either part of the class will result in a final course grade of F regardless of the overall point total.

General information about CH 221 can be found on the CH 221 website at:

[http://www.chemistry.oregonstate.edu/courses/ch221-2t/default.htm](http://www.chemistry.oregonstate.edu/courses/ch221-2t/default.htm)

Most course materials will be posted on Blackboard which can be accessed at:

[http://my.oregonstate.edu/](http://my.oregonstate.edu/)

**Accommodations for Students with Disabilities:** Accommodations are a collaborative effort between students, faculty, and Disability Access Services (DAS). Students with accommodations approved through DAS are responsible for contacting the faculty member in charge of the course prior to or during the first week of the term to discuss accommodations. Students who believe they are eligible for accommodations but have not yet obtained approval through DAS should contact DAS immediately at 737-4098.