

# GENERAL CHEMISTRY

## Chemistry 221 (section 2) Fall 2008

**Instructor:** Dr. Elisa Cooper

**Lecture:** T/Th 5:30 – 7:10 PM

**Office:** SB2 460

**email:** ecooper@pdx.edu

**Office Hours:** tentatively T/Th 3-4 PM, W 2-3 PM, or by appointment

**Introduction:** You are responsible for **ALL** information given in lecture. This includes any announcements or schedule changes. Regular lecture attendance is *strongly encouraged*. If you miss a lecture, do not contact me to ask what you missed...check Blackboard or ask another student in the class.

**Text:** Chemistry A Molecular Approach, Tro, Prentice Hall/Pearson, 1<sup>st</sup> Edition. Mastering Chemistry (online homework system).

**Grading:** There will be a total of 500 points possible for this class (60 points for homework, 60 points for quizzes, 200 points for the midterms and 180 points for the final). There will be 3 quizzes (30 points each), 2 midterm exams (100 points each) and a **comprehensive** final (180 points). Two of the three quizzes will count towards your grade...the lowest quiz score will be dropped and will not count towards your grade. Your grade will be assigned based on the percentage of total points scored in the class according to the following scale:

A  $\geq$  90%

B  $\geq$  80%

C  $\geq$  65%

D  $\geq$  55%

F < 55%

Note: this scale may change based on class performance. Plus and minus grades will also be assigned. If you turn in an exam to be re-graded, I reserve the right to re-grade the entire exam and may assign a score either higher or lower than the original score. Any re-grade requests or score disputes on any exam and quiz must be made within one week of the return of the exam or quiz (requests made after this deadline will not be considered). Exam re-grade requests must be made in writing. The deadline to drop this class without it appearing on your transcript is Oct 12<sup>th</sup>. I reserve the right to add to or alter the requirements, assignments or point distribution for this class.

### **Missed Exam/Quiz Policy:**

If you miss an exam, you must contact me within 24 hours. If you do not contact me within 24 hours, a makeup will not be granted. Makeup exams will only be granted for legitimate, **verifiable** excuses. Missed exams must be made up before they are returned to the class or you will be assigned a score of zero for the exam. If a makeup is granted, missed exams will be made up at the SHAC Testing Center (1880 SW 6<sup>th</sup> Ave. Suite 310). To use this testing center, you must present a picture ID and pay a \$10 fee for the service. The only exceptions to these rules are absences for university sponsored events (such as class field trips or sporting events) or students who have arranged an absence with me more than 8 hours prior to the exam. **NO MAKEUP QUIZZES WILL BE GIVEN.**

**General Rules and Policies:** While in class, you must be respectful of other students and the instructor. No excessive talking or cell phone use is allowed. **Please silence cell phones when entering the classroom.** The use of lap top computers can be distracting to others. If you wish to use a lap top during class please sit towards the back of the room. Dishonesty and/or cheating will not be tolerated.

**Accommodation:** If you have a learning or physical disability and need accommodation, please inform me. Students requesting accommodations must provide documentation of disability through the Disability Resource Center (4<sup>th</sup> floor Smith Union).

**Homework:** Two different types of homework will be assigned.

1. Online homework through MasteringChemistry will be assigned each week. **Deadlines for these assignments WILL NOT BE EXTENDED – NO EXCEPTION WILL BE MADE!** If you miss a deadline, you will receive a score of zero for the assignment. There will be a total of 9 assignments worth up to 10 points each. You can earn up to 60 points on the homework assignments. You will have access to each assignment one week before the due date. The deadlines for each assignment will be each Monday at 11:00 PM. The deadline to complete the first homework assignment is October 5<sup>th</sup>.

To Access the online homework:

1. Go to <http://www.masteringchem.com/>
2. Under “Register” click on “New Students”
3. If you bought a **new version of the text** click on “Yes, I have an access code” (the access code is **provided in the Student Access Kit** included with all NEW text packets bought from the bookstore). Your access code should look similar to the one shown below:



Example  
SIMPLE-FRILL-TONLE-WEIRS-CHOIR-FLEES

Follow the instructions through to register for MasteringChemistry.

If you bought a **used copy of the text** or one that did not include a Student Access Kit, click on “no, I need to purchase online access now”. Follow the instructions through to purchase and register for MasteringChemistry.

4. After you have registered, return to the log in page, [www.masteringchem.com](http://www.masteringchem.com), and enter the site with your new Login ID and password
6. During this first stage of registering, there are two additional fields:
  - a. Student ID: please enter your WebCT user ID
  - b. Course ID: **COOPER221F08**

Click the home page link and you are now logged into the system!

**Homework:**

2. Problems out of the textbook will be assigned from each chapter. This homework will not be collected and does not count towards your grade. However, success in general chemistry typically requires students to work a significant number of problems. Suggested problems will be given at the beginning of each chapter on WebCT. You may need to work additional problems to fully understand the material. It is strongly suggested that you work problems at a rate that keeps you current with the lecture material. Waiting until just before a test to work problems rarely results in success.

**Text Homework:**

*For each chapter you should complete the “For practice” and “For More Practice” problems*

Chapter 1: End of Chapter Problems: 37, 39, 43, 47, 51, 57, 63, 65, 71, 77, 79, 83, 85, 87, 89, 95, 97, 105, 121

Chapter 2: End of Chapter Problems: 31, 41, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 69, 71, 79, 81, 83, 85, 91, 99, 107

Chapter 3: End of Chapter Problems: 2, 4, 5, 10, 1723, 25, 27, 29, 33, 35, 37, 39, 41, 43, 45, 49, 51, 53, 55, 57, 59, 61, 63, 65, 69, 75, 77, 79, 81, 85, 87, 89, 91, 97, 99, 109, 113, 115, 117, 119

Chapter 4: End of Chapter Problems: 6, 7, 11, 13, 19, 25, 27, 29, 31, 33, 35, 37, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 75, 77, 79, 83, 85, 87, 93, 95, 97, 101, 103

Chapter 7: End of Chapter Problems: 7, 8, 12, 14, 15, 16, 29, 30, 31, 32, 37, 39, 41, 43, 45, 47, 51, 55, 57, 58, 59, 60, 63, 65, 67, 76, 77, 91

Chapter 8: End of Chapter Problems: 13, 14, 25, 26, 31, 32, 41, 43, 45, 47, 49, 51, 53, 55, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 89, 91, 97

Chapter 9: End of Chapter Problems: 6, 17, 18, 22, 27, 30, 32, 37, 39, 41, 49, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 79, 81, 89, 93

The section titled “Using Average Bond Energies to Estimate Enthalpy Changes for Reactions” will not be covered.

Chapter 10: End of Chapter Problems: 4, 5, 7, 13, 15, 16, 25, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 55, 57, 59, 63, 65, 69, 73, 75, 81, 85, 87

**Lecture/exam schedule:** Below is a *tentative* schedule for the quarter. Material covered on a daily basis will most likely change from the schedule below. Do not plan to miss an exam.

**Tuesday:**

9/30 Chapter 1  
10/7 Chapter 2, 3  
10/14 Chapter 4/**Quiz #1**  
10/21 **Exam #1**  
10/28 Chapter 7  
11/4 Chapter 8  
11/11 Chapter 9  
11/18 Chapter 9  
11/25 Chapter 10  
12/2 Chapter 10/**Quiz #3**  
12/9 **Final Exam 5:30-7:20 PM**

**Thursday:**

10/2 Chapter 1, 2  
10/9 Chapter 3, 4  
10/16 Chapter 4  
10/23 Chapter 4  
10/30 Chapter 7  
11/6 Chapter 8 /**Quiz #2**  
11/13 **Exam #2**  
11/20 Chapter 10  
11/27 Holiday No Class  
12/4 Review