

Chemistry 112 – Section 1
Fall 2006
Course Syllabus

10/16/06

Instructors

| | |
|---|--|
| Scott Garman: ch112sg@chem.umass.edu Office – Lederle 1021K Office Hours - In Chemistry Resource Center Hours TBA | Alejandro P. Heuck: apheuck@biochem.umass.edu Office – Lederle 816 Office Hours - In Chemistry Resource Center Hours TBA |
|---|--|

Required Materials

A good working knowledge of algebra = 20 or better on the Math Placement Exam.

A grade of C/D, C- or better in Chemistry 111

Chemistry and Chemical Reactivity, Kotz and Treichel, 6th Edition.

Personal Response System (PRS) Transmitter

Calculator, 2 pencils with erasers, Safety glasses, Master Lock #1525, Lab Notebook

3-Ring Notebook and notebook paper

Other Resource Material

Course Homepage linked at: <http://www.chem.umass.edu/genchem/>

Check the homepage often for all course information.

General Chemistry Interactive CD-ROM, Version 3, Vining.

Student Solutions Manual, Banks.

The Chemistry Resource Center (CRC) - Goessmann 151

Staffed by Chemistry faculty and graduate teaching assistants. It's a great place to bring your books, study chemistry, and get help with coursework. The first fifty pages of printing are free. The CRC hours of operation are:

| | |
|-------------------|--------------------|
| Monday - Thursday | 9:00 AM - 10:00 PM |
| Friday | 9:00 AM - 5:00 PM |
| Saturday | Noon - 5:00 PM |
| Sunday | 5:00 PM - 10:00 PM |

No faculty or TA assistance is available from 9 AM - noon, Monday - Friday, or on weekends.

Laboratory

Meets every other week. Labs begin Monday, **September 11th**. See the lab schedule linked to the General Chemistry Website for more information. Write-ups for each laboratory experiment should be printed from the General Chemistry Website.

Personal Response System - PRS

Purchase a "clicker" in the bookstore and bring it to **every** class. 3% of your grade will be determined by your PRS score so be sure your clicker is working and your number is recorded correctly in OWL. If you don't know the answer guess! Your four lowest scores will be dropped. **No excuses.**

OWL Electronic Homework System (A great way to study for exams!) <http://owl.oit.umass.edu/>

1. There will be **two assignments per week due on Sunday and Thursday nights**.
2. User name = your 8-digit student number, Password = last name. Use "Login Help" if you have trouble.
3. Repeat each assignment as often as desired. You should get new questions each time.
4. The best score completed before the deadline counts. If you complete the assignment **within 24 hours** of the due date you will receive credit for it.
5. All required modules finished = 70 points. Approximately 10 modules will be dropped.
NO Extensions beyond this will be granted.
6. Be sure that you are in the correct OWL section and that you use your **UMass email address**.

| | | |
|--------------------|----------------|--|
| Exam 1 | 100 pts | Thursday, October 5th, 6:00 PM |
| Exam 2 | 100 pts | Thursday, November 9th, 6:00 PM |
| Exam 3 (new time!) | 100 pts | Tuesday, December 12 th , 6:00 PM |
| Final | 100 pts | To be scheduled |
| <i>PRS</i> | 20 pts | 3% of the grade |
| OWL Homework | 60 pts | 10% of the grade |
| Lab | <u>100 pts</u> | 17% of the grade |
| Total | 580 pts | |

Approximate Grade cutoffs: A 90%, B 80%, C 70%, D 60%

Grades on the borderline will be determined **by performance on the final exam.**

Things you should take to heart:

1. Come to class.

Learning chemistry is like learning a language. Hearing it spoken and learning to speak it yourself are just as important as learning to read and write it. In the classroom you will hear me speak the language of chemistry and you will get a chance to speak it yourself. Demonstrations will be used to illustrate chemical concepts and questions about demonstrations will be on the exams. In addition we will use the *PRS* system to guide in-class discussions. So please don't schedule other things including exams or doctor's appointments during class time.

2. Be courteous to your classmates.

Please be on time for class and please keep in-class, personal discussions to a minimum. Please wait until the end of the class period before packing up to leave. No cell phones.

3. Do your homework.

The way to learn general chemistry is to do lots & lots of homework problems. Reading the book is important but ONLY when you can work **all** of the assigned problems **without help** from the book or friends are you ready for the exam. If you can't do this, you don't really understand the material.

4. Exam Notes.

You must have a passing exam average (~60%) on the 4 exams in order to pass the course. You must have a grade of C/D, C-, or better in Chem 111 to take Chem 112.

No make-up exams will be given. (see #7 below). You must take the final exam to pass the course. The final will not be given early, so don't make those reservations to the Bahamas yet!

5. Lab Information

You must complete all of the laboratory experiments to pass the course. If you fail the course, you will have to retake the lab. Report lab conflicts and problems to your TA or lab supervisor.

6. Lecture details

The first half of the course will be taught by Prof. Garman, and the second half will be taught by Prof. Heuck. Each section has the same textbook and laboratory assignments. The lab will count for 17% of the course grade, and OWL for approximately 10%.

7. In the event of a severe illness or family emergency

Please contact the instructor any way possible (e-mail is best) so we have your name and written information. Voice mail is OK too or send a friend. We will help you every way possible to catch up with material missed.

8. Academic Honesty

We expect that you will abide by the academic honesty policy of the campus. We expect you to do your own work on exams and labs. You must flush all calculator memories of **any** information before coming into an exam. You may bring **ONLY** your brain, a pencil, and a calculator (not pda or cell phone) to exams. **We take honesty very seriously.** If you have to cheat to pass this course, you do not belong in it and should drop it now!!

I _____ have read the course syllabus for Chemistry 112
(PRINT YOUR NAME) Fall 06 Section 1, and from this I understand that:

| | |
|---|--------------------|
| 1. No makeup exams will be given. In case of severe illness or family emergency I will contact Professor Garman or Professor Heuck and we will work together to catch up on the material missed. | _____ SIGNATURE |
| 2. No individual extensions will be given for OWL assignments. Instead at least 10 modules will be dropped and I have 24 hours after the deadline to finish the work, so I can relax if I miss one or two deadlines. | _____ INITIAL |
| 3. No exceptions or excuses will be given for PRS grades. Instead four grades will be dropped. If I forget my clicker, if the batteries die, if I lose it, if I have to miss class for any reason, I know that I do not need to report this because I have 4 opportunities to drop these grades. I accept responsibility for any problem beyond this and understand that it will count as a zero for the day. | _____ INITIAL |
| 4. I must have a passing exam average (~60%) in order to pass this course. | _____ INITIAL |
| 5. I will be honest when taking all exams for this class. I will use only a pencil, a calculator (no pda's, cell phones...), and my brain when taking an exam. I will flush all electronic memories before taking an exam. | _____ INITIAL |
| 6. The final exam will not be given early. | _____ INITIAL |
| 7. I will bring my PRS "clicker" in working order to every class. | _____ INITIAL |

I have read the course syllabus for Chemistry 112 Fall 06 Section 1, and I understand statements 1-7 above.

NAME _____

Date _____