

Chemistry 112 **Syllabus**

Syllabus

Spring, 2007

- Important: To pass the course, students must have a passing average grade on the exams and on the final average course grade. They must also pass the laboratory portion of the course. Failing the lab portion of the course results in automatic failure of the course.**

There are **no early Final Examinations**, so plan to be on campus during the Final Examination period: May 17th through May 24th. The actual date (and time, location, *etc.*) of the Final Examination will be announced as soon as it is made available to instructors.

You MUST take the Final Examination to pass the course.

7. Grading:

Three Evening Exams	48% (16 % each)
Final Exam (absolutely required; cumulative)	19%
Laboratory	20%
Computer-based (OWL) homework	10%
Personal Response System (PRS)	3%

Students must independently pass both the Laboratory and Examination portions of the course to pass the course.

8. Make up examinations: If a student misses one of the evening examinations for a **valid** and **properly documented** reason (examples: **documented** illness, **documented** death in the immediate family, **documented** conflict with another course's exam where the other course has formal priority, etc.), then a make-up exam will be available.

Note that the Final Examination is a separate matter: you MUST take the Final Examination to pass the course, regardless of your grades in other portions of the course.

9. Laboratory:

Laboratories begin meeting on Monday, February 5. The full lab schedule is available from the Chem 112 link of the General Chemistry web site:

<http://www.chem.umass.edu/genchem>

Lab procedures, data sheets and sample lab quizzes can also be accessed from this link.

The lab component is 20% of your overall course grade. In order to pass the course you **must** pass the lab. In order to pass the lab you must:

Complete **all** of the labs

Arrive on time so as to complete **all** of the pre-lab quizzes, and

Attempt **all** of the OWL-Lab exams

(OWL-Lab exams are similar to, but separate from, the lecture OWL exams)

Important note: if you fail the class, in either the lecture section or the laboratory section, then you will need to retake the whole course - labs and all.

Important note: If a student is retaking CHEM 112, having previously obtained a passing grade in the course, they are eligible for a lab waiver. Please see Ms. Marie Whelan in Goessmann 149C for information about obtaining the lab waiver. Documentation of the passing grade must be presented to Ms. Whalen.

There are no lab waivers for anyone who fails CHEM 112 !

10. Resources:

The Chemistry Resource Center (CRC) is located in 151 Goessmann and is open 9 AM – 10 PM Mondays through Thursdays, 9 AM - 5 PM Friday, Noon - 5 PM Saturday and 5 PM - 10 PM Sunday. The CRC is staffed with a chemistry graduate student and an undergraduate who is familiar with the computers and other resources available. During weekday afternoons, from 1 PM to 5 PM there will be a General Chemistry Professor in the CRC as well, since this is where office hours are held. **I will hold office hours in the CRC Wednesdays from 1 to 3 PM.** The CRC is the best place to do chemistry homework and get chemistry related questions answered.

On-line Web-based Learning (OWL) is a computer delivered homework/quizzing system covering the topics in the course. Assignments are given directly in OWL, with due dates specified. Students who have their own computer and internet access may access OWL remotely. For those who do not have internet access, the CRC provides this access. All students should log on to OWL during the first three days of class (January 29 - February 2) to check that they are properly rostered.

Within OWL there is an extensive set of questions covering General Chemistry course material. You are rostered into the OWL system when you register for General Chemistry.

User name = login = your eight digit student number.

password = last name (unless you have changed it previously).

You will be given a significant number of OWL assignments and successful completion of these assignments by the various due dates will count 10% toward your final grade. This can make the difference between a “B” or a “C” in the course, so treat them seriously. Of the ~120 OWL modules assigned, the lowest 15 will be dropped. You may do each OWL assignment as often as you would like. Only your best score, completed within the deadline period, counts toward your grade. Each time you try a particular assignment, you should see a different, but similar, set of questions. Feedback is given after you answer each question. This makes OWL a helpful tool to use to learn the material and to review it before an exam.

When you do an OWL assignment, you will work without supervision and are encouraged to work together to study the material. Please remember that the academic honesty policy applies to online assignments in the same way it applies to other forms of course work, what you ultimately submit as your own work. The OWL system can be accessed from any computer connected to the internet, on-campus or off, at

<http://owl.chem.umass.edu/>

If you have trouble logging in to the system, click on the “Login Trouble” button and fill out the form.

11. Lecture schedule: The tentative lecture schedule is available on the course web site.
12. Add/Drop: All add, drop and section changes, until the Add/Drop deadline of February 12th, are done using the telephone course registration system. After the Add/Drop period ends, all add, drop and section changes are done by Ms. Marie Whalen in Goessmann 149C. **Important note: any change in lecture section MUST be done before February 21.**
13. Honesty: See regulations on “**Academic Honesty**” in the “**Undergraduate Rights & Responsibilities**” Student Handbook:
http://www.umass.edu/dean_students/downloads/CodeStudentConduct_0607.pdf
especially page 27. The bottom line is that dishonesty is **NOT** tolerated. On examinations, we will provide values of constants, important formulas, a periodic table, *etc.* Students must not have any chemistry-related material stored in calculator memories or as “cheat sheets.” This will be construed as *defacto* evidence of cheating.

14. Important web address:

The General Chemistry web page <http://www.chem.umass.edu/genchem/> has links to the online homework system (OWL) and to the CHEM 112 web site. The CHEM 112 web site has links to the laboratory schedule, old exam questions sorted by topic and our section's web site

15. Homework: Graded homework assignments are all done through the OWL system. Over the years, we've found that students that do more homework have a greater understanding of the course material and get a better grade in the course. It is also useful to try some problems at the end of the book chapters. They are not required, not collected and not graded, but are still helpful practice.

16. Emergency Closing Information: the "Snow Day" closing hotline is 413 545-3630. On the web, check <http://www.umass.edu> for emergency closing information.

17. Cell phones: All cell phones must be turned off in class: you are not to take or make any calls during lecture periods. No silent mode, no vibrating mode, just turned off.

18. Responsibility: Having read the syllabus carefully, detach the sheet below, fill it out completely, and turn it in to Prof. Metz, who will keep it on file.

Name (please print clearly): _____

I have read Prof. Metz's course syllabus for CHEMISTRY 112, Section 2 (Spring, 2007) and from this I know and understand that:

1. Makeup examinations will NOT be given for any reasons other than those few listed in the syllabus, and, even then, only with PROPER WRITTEN DOCUMENTATION.

Initials: _____

2. No individual extensions will be given for OWL assignments. Instead, 15 modules will be dropped, so I don't need to panic if I miss one or two deadlines.

Initials: _____

3. No exceptions or excuses will be given for PRS grades. Instead, the five lowest grades will be dropped. If I forget to bring my clicker to class, if the batteries die, if I lose it, if I break it, if it gets stolen, if I have to miss class for any reason, *etc.*, I know that I do NOT need to report this because I have 5 opportunities to drop these zero grades. I accept responsibility for any problem beyond this and understand that it will count as a zero for the day.

Initials: _____

4. I must have a passing exam average (58% or higher) in order to pass this course, regardless of how well I do in lab or OWL or PRS. The exam average includes the Final exam.

Initials: _____

5. I must have a passing laboratory grade (58% or higher) in order to pass this course, regardless of how well I do on exams, OWL or PRS.

Initials: _____

6. The final exam will not be given early.

Initials: _____

7. I will be honest when taking all exams for this class. I will use only pencils, a calculator (no PDAs, cell phones, ...), and my mind when taking an exam. I will flush all electronic memories before taking an exam.

Initials: _____

Signature: _____

Date: _____