CHEM 1212L-General Chemistry II Laboratory Syllabus  
Summer 2008

Instructor: Dr. Lea Padgett, Science center 2105, 344-2946 lea.padgett@armstrong.edu

Office hours: As posted on my door. Other times may be available by appointment.

Materials: Calculator, goggles, handouts from web, laboratory notebook

Laboratory Experiments: Go to http://www.chemistry.armstrong.edu/labselect.htm prior to each laboratory exercise to obtain the materials required to participate in the experiment. Click on the link “CHEM1212L”, enter the “User Name” and “Password”, then click on the desired exercise. The user name is “AASUCHEM1212L” and the password is “CH1212L5304”

Honor Code: It is the student’s responsibility to abide by the honor code found in the AASU handbook. Failure to abide by this will result in a zero for the assignment with continuous disregard resulting in a grade of F for the course. All graded work, including quizzes and post-laboratory reports are to be your own work, meaning that consultation and comparing answers is not allowed. If you need help, see me or your lecture instructor; getting help on the internet is not acceptable.

Attendance Policy: Attendance in lab is required. Work will not be accepted for days that you are absent. If a laboratory exercise is missed, it will be counted as the student’s drop lab and drop quiz for the semester. However, if the second missed lab is due to documented illness, jury duty, or military obligation, a negotiated settlement can be made with the instructor if notification is given in advance and official documentation provided. All other cases or additional absences will result in a zero grade for that day. The student is still responsible for understanding any work missed.

If you are more than 10 minutes late to prelab or do not attend, you will be allowed to participate in that day’s experiment only upon the discretion of the instructor, nor will make-up quizzes be given on the account of tardiness.

If you withdraw from lab you must withdraw from lecture, and if you withdraw from lecture, you must withdraw from lab. These are considered two parts of one course.

Safety: Goggles must be worn correctly the entire time that you are in lab. Failure to do so will result initially in a warning, then dismissal from the class and a zero for that day’s experiment. In addition, closed-toed shoes and long pants should be worn. The Safety Practices in the Introductory Chemistry Laboratory must be read and the Laboratory Safety Rules and Practice Contract must be signed.

Additional Policies: All students must check-in and check-out. See me to do this if you need to drop the course. Check-in sheets must be signed and returned to the instructor before the first experiment.
Electronic communication devices may not be used during the prelab lecture or as calculators for the prelab quiz. They may be used during lab if they are in silent/vibrate mode and are not disruptive. You may not take off to talk on the phone and leave your lab partner to do all the work! The instructor reserves the right to change this policy if it is abused.

**Grading:** Your lab grade is worth 25% of your overall grade in Chemistry. You must get an overall of 60% or better in lab or you will fail chemistry for the semester. The percentage earned in lab will be given to your lecture instructor. This number will be rounded to the second decimal place, so a 59.51% is a failing grade! Failing lab means that you fail the lecture as well.

**Post-laboratory Write-ups.** The report is due at the beginning of the class the following lab period unless instructed otherwise. Late reports will be penalized 10 points per business day, and will not be accepted after two business days. The post lab report consists of the data tables, sample calculations, and questions found with each lab experiment. To receive full credit, you must show all work required to solve the problem including units. Correct significant figures must be shown on final answers. Answers to questions must be complete and have scientific basis for full credit. Papers should be stapled; if not, the instructor is not responsible for lost pages.

**Quizzes.** A quiz will be given at the start of each lab session. These will consist of between five and ten multiple choice questions drawn from the previous week’s exercise and from procedural information of the current day’s lab.

**Notebooks.** Laboratory notebooks contribute to your report grade and the lab notebook is your “ticket” to lab. You must have a notebook to participate in the day’s exercise. The notebook pages must be attached to the report when it is turned in or the report will not be accepted. The lab notebook pages must be completed in the following way:

1. Data and observations are to be recorded directly using ink. Do not write data on scrap paper and then copy it over.
2. Errors should not be scribbled over; make changes by striking through with one line and putting the correct information next to it.
3. Data should be recorded with the proper units.
4. Organize your pages with the following information: title of the experiment, purpose, date, partner’s name, observations, data tables (use lab handout as a guide) with units and proper sig figs.

There will be a comprehensive assessment quiz worth 6% of your grade at the end of the semester. This will be a multiple choice exam with approximately 12 questions that will cover material from the entire semester.
Your grade will be determined using a point system, where you must receive 60% or greater of all possible points to pass lab. You will be able to drop one lab report and one quiz for the semester—these will be applied to days you are absent or to the lowest graded work. Total points for the semester are 1650.

Lab reports $\quad$ 100 pts x 11 reports (after one drop) = $\quad$ 1100 pts
Quizzes $\quad$ 50 pts x 9 quizzes (after one drop) = $\quad$ 450 pts
Assessment quiz $\quad$ 100 pts x 1 (may not be dropped) = $\quad$ 100 pts

Your percentage is determined by taking the number of points earned and dividing by 1650.