

CHEM 112 LAB OBJECTIVES

Chemistry 112 is the (optional) laboratory component associated with the Chemistry 110 lecture course. Registration and grading for each course are independent. ***This is a one credit hour course that will count towards the General Education Credit (Natural Science Equivalent).*** Laboratory experiments are designed to reinforce concepts taught in the 110 lectures. Proper recording and treatment of quantitative experimental data are emphasized in this course. *Registration in or previous completion of chemistry 110 or its equivalent is a requirement for being in chemistry 112. Therefore, if you withdraw from 110, you must also drop chem. 112.*

GRADES

Grading will be based on performance on 12 pre-lab quizzes (3 points each) and 12 laboratory reports (17 points each) and the significant worksheet (5 points) for a possible total of 245 points. Please note that we will not be dropping any lab report or quiz scores. 90%, 80%, 70%, and 60% will earn letter grades of A, B, C, and D respectively. Anything below a 60% will result in an F grade.

WEEKLY quizzes will be very short, and directly based on the material in the laboratory manual. Read it BEFORE coming to lab. If you arrive late (even a few minutes late) you will not be permitted to take the quiz, and your grade will be compromised if this happens often. **No students will be admitted to the lab after the pre-lab discussion.**

Laboratory reports must be submitted BEFORE you leave the lab, each period. **Even if you are instructed to work with a partner, each of you must submit your own report. When there are numbered unknowns, each student is expected to use a different unknown.** Graders WILL check this!

GENERAL POLICIES

You are expected to observe safety regulations. Forgetfulness regarding wearing safety glasses AT ALL TIMES can result in you being asked to leave the lab (and you receiving a zero score on an assignment).

Good housekeeping is expected. Wipe off lab benches; check that hot plates and Bunsen burners are OFF, and that your locker is LOCKED before leaving the lab.

Carefully follow all instructions regarding waste disposal. Only paper waste ordinarily goes in the trash cans, and only glass in the glass waste container. There will be labeled waste containers to empty your waste during each experiment. Details regarding waste disposal will be provided in your pre-lab discussion.

Please purchase safety glasses and a lab manual from the chemistry club (chemistry resource room, 215 JH) before the second lab meeting (the first experiment). You will not be allowed in lab beginning the second week of Chem. 112 lab without the lab manual and safety glasses. The general lab fee was paid with your tuition. Equipment breakage fees will be assessed at the end of the semester.