

## CHEMISTRY 122 LABORATORY (Fall 2009)

**Before** coming to laboratory you should read the Exercise scheduled for the week, including the “Assigned Reading”, and complete the Homework section of the Exercise. Each week there will be a quiz. The quiz will cover both the laboratory exercise and homework from the previous week as well as the homework for the current week.

For a number of the exercises in the General Chemistry laboratory, you will be making use of the Texas Instruments Calculator Based Laboratory (CBL) interface. To use this interface you will need a Texas Instruments graphing calculator (TI-83+/TI-83+SE or TI-84+/TI-84+SE recommended) and the link cable that comes with the calculator. **Always bring your calculator with you to laboratory.**

There is a departmental attendance policy for general chemistry laboratory. The accumulation of **four or more absences** from laboratory in one semester will result in an **automatic grade of “F”** being given for the semester of general chemistry (not just for the laboratory). **If you miss a laboratory for any reason, it is your obligation to contact your instructor** (however, be aware that **missed laboratory work cannot, in general, be made up**).

**NOTE:** If you took CHEM 122 **last semester** and are repeating the course to improve an unsatisfactory grade, you **may** have the option of repeating just the lecture portion of the course. **For details, inquire at the Chemistry Department Office (Room 319 EPS).**

DATES	EXERCISE
September 1	Synthesis of Copper Compounds— <b>check into lab</b>
September 8	Freezing Point Depression
September 15	Rate of Reaction
September 22	Oxidation/Reduction Titration
September 29	Equilibrium and Determination of $K_a$
October 6	Buffer Solutions
October 13	} Qualitative Analysis, Individual Cation/Anion Groups
<b>Fall Break (October 20)</b>	
October 27	
November 3	
November 10	
November 17	
November 24	Qualitative Analysis, General Cation Unknown
December 1	Electron Transfer between Metals
December 8	Qualitative Analysis, comprehensive Final Examination (written) – and Salt unknown (lab practical exam) – <b>check out of lab</b>