

CHEMISTRY 122 LABORATORY (Spring 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
Jan. 13 - 15	Synthesis of Copper Compounds— check into lab
Jan. 20 - 22	Freezing Point Depression
Jan. 27 - 29	Rate of Reaction
Feb. 3 - 5	Oxidation/Reduction Titration
Feb. 10 - 12	Equilibrium and Determination of K_a
Feb. 17 - 19	Buffer Solutions
Feb. 24 - 26	Qualitative Analysis, Individual Cation/Anion Groups
March 3 - 5	
Spring Break (March 10 - 12)	
March 17 - 19	
March 24 - 26	
Mar. 31 - April 2	
April 7 - 9	Qualitative Analysis, General Cation Unknown
April 14 - 16	Electron Transfer between Metals
April 21 - 23	Qualitative Analysis, comprehensive Final Examination (written) – and Salt unknown (lab practical exam) – check out of lab