

CHEMISTRY 130LL LAB SCHEDULE

Fall 2009

You must download and print the CHM 130LL laboratory experiments from the CHM130LL Website (<http://web.gccaz.edu/~ldiebolt/CHM130LL.htm>). If you are using an off-campus computer, you need to install a copy of Adobe Acrobat Reader (<http://www.adobe.com/products/acrobat/readstep2.html>) on your computer to view and print these documents. **You must download and print the lab experiment before coming to lab.**

The references in () are sections in the textbook that you should review before coming to lab. **You must arrive for lab on time.** Your instructor will introduce new techniques and procedures as well as briefly review the theory and calculations at the beginning of each lab. **Students who arrive too late to receive critical lab and safety information will not be allowed to complete the lab.**

The following is a tentative schedule:

Week	Dates	Experiment and/or Activity
1	Aug. 24 - 29	Introduction to Lab Organization, Chemistry Department Policies, and Lab Schedule; "Transportation" video; demo on how to download experiments and the MCCCDC Assumption of Risk and Release of Liability Form from the CHM130LL Course Folder
2	Aug. 31 - Sept. 5	Laboratory Safety and the Safety Video; MCCCDC Assumption of Risk and Release of Liability Forms (signed & dated) due; Introduction to the Metric System (2.2-2.5)
3	Sept. 8 - 12	"Excel" Spreadsheets and the Metric System (3.1-3.3), (No lab Monday, Labor Day)
4	Sept. 14 - 19	*Density Experiment (3.5-3.7)
5	Sept. 21 - 26	Chemical and Physical Changes (4.7)
6	Sept. 28 - Oct. 3	States of Matter (4.1)
7	Oct. 5 - 10	Heat and Energy (3.9, 8.1)
8	Oct. 12 - 17	Molecular Models (12.4, 12.6, 12.7, 12.10)
9	Oct. 19 - 24	Chemical Reactions (8.1-8.11)
10	Oct. 26 - 31	Reactivity of Metals (8.7-8.8)
11	Nov. 2 - 7	Mole Relationships (10.4, 10.7-10.8)
12	Nov. 9 - 14	pH Buffers, and Indicators (15.4, 15.8) See lab for samples to bring from home. (No lab Wed, Veteran's Day)
13	Nov. 16 - 21	*Vinegar Titration (15.4-15.6)
14	Nov. 23 - 28	Optional Review Sessions Mon. - Wed. (No labs Thurs. – Sat., Thanksgiving)
15	Nov. 30 - Dec. 5	Nuclear Chemistry (18.1-18.4)
16	Dec. 7 - 12	Lab Final (Only students who have missed a lab are required to take the final exam.)

***Students work individually on samples and/or unknowns.**

Checkout of unknowns and extra equipment:

Most equipment you will use will be placed in plastic boxes at your lab station. Some experiments require specialized equipment, which will be dispensed at the instructor's station. When you check out unknowns for the experiment, print your name and unknown number, and record the unknown number on your Lab Report. Before leaving lab, properly dispose of waste (see experiment for details), and clean and return all equipment to the appropriate place.

STUDENTS ARE REQUIRED TO WEAR GOGGLES IN THE LAB AT ALL TIMES, EXCEPT AS SPECIFIED BY THE INSTRUCTOR.