

CHEMISTRY 120-03 General Lab Information

Instructor: Dr. Becky Chak
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Office hours: Mon, Wednesday & Friday: 12:30 - 1:30 pm; Monday: 5 - 5:30 pm;
Wednesday: 5:45 - 6: 15 pm or appointment by E-mail.

Chem 120-03: Winter 2005 Tentative Laboratory Schedule

Date	Chem 120 Experiment	Lab Report Due Date ¹
January 10	No Lab. Introduction: laboratory safety, format of lab report, etc. Attendance is Mandatory	
January 17	Expt 2: The density of solids and liquids Expt. 3: Part A: Combination of Copper and Sulfur (Group A)²	January 31
January 24	Expt 2: The density of solids and liquids Expt. 3: Part A: Combination of Copper and Sulfur (Group B)²	January 31
January 31	No Lab. Lecture (Electronic Structure of an Atom)	
February 7	No Lab. Test 1	
February 14	Expt. 4: Spectroscopic Determination of Nickel	February 21
February 21	No Lab. Lecture/Tutorial /In-class review exercise for test 2	
February 28	Expt. 5: Colorimetric Determination of Iron	March 2
March 7	No Lab. Test 2	
March 14	Expt 6: Determination of Copper Using A.A. Spectroscopy	March 21
March 21	Expt. 7: Determination of Total Hardness of Water	March 28
March 28	Expt 8: Molecular Shapes & VSEPR Theory	Report due end of lab
April 4	Expt. 9: Preparation of $K_3[Fe(ox)_3]$	April 11
April 11	No Lab. Lecture (Intermolecular forces)	

¹ Lab report will be considered late if handed in after 9:20 pm on the date specified.

² For safety reasons, the class is divided into Groups A & B for Expt. 3. Group A students attend the lab on Jan 17; Group B students attend the lab on Jan 24. No class for students that are not doing the lab for that week.

Pre-laboratory Preparation

- Your success in the laboratory depends on your ability to thoroughly pre-plan each laboratory period. Before coming to the lab, read and think about the procedure of the experiment. Write a flow chart for the procedure of the experiment.

Pre-lab assignment

1. You have to **complete and hand in** the pre-lab assignment **at the beginning** of each experiment.
2. Students who don't hand in the pre-lab assignment will receive a mark of **ZERO** for the pre-lab of that experiment.

Laboratory Data

- **Before leaving the laboratory**, students must have their data **written neatly in pen** on the blank data page provided in the lab manual at the end of each experiment and signed by the instructor.

Laboratory Report

1. For experiments with **short data reports**, **worksheets** will be provided by the instructor before the experiment. Students are required to complete the worksheet **neatly in pen** (except for Calculations, which may be done in pencil). **The original raw data with the instructor's initial must be stapled to the back of the report.** You **lose marks** if the pages of your report are not stapled together, or the raw data with the instructor's initial is not attached to the report.
2. For experiments with **full reports**, detail format will be given by the instructor in the lab.

Late Report

1. For every day the report is late, you lose 1 (one) mark. **No lab report will be accepted after 9:20 pm, April 13, 2005.**
2. If a student does not hand in the lab report, a mark of ZERO will be given for that experiment.
3. You must hand in a **minimum** of SIX Lab reports (i.e., 75% of the lab work) and score a **minimum of 50% on lab marks** to be permitted to take the final examination.

Absences

1. A grade of **ZERO** will be given automatically for a missed experiment without valid excuse.
2. Students who are legitimately absent for medical or compassionate reasons must provide support documentation to the instructor in charge (Becky Chak) **within 7 days** from the date you are absent. You may be asked to write a make-up report.

Assessment in the Laboratory Course

- Your lab grade will be based on your laboratory reports. Bonus marks (~ 1 % of the total lab marks) may be awarded to those with perfect lab attendance, hand in every lab report on time and are safety conscious in the lab.