

Chemistry 1711/1811
General Chemistry 1 Laboratory Schedule
Fall Semester 2014

Week	Date	Experiment #	Assignment
1	Aug. 26 – 28		No Lab Meeting
2	Sept. 2 – 4	1	Check In Introductory Laboratory (also read Lab Manual Appendices A, B, C)
3	Sept. 9 – 11	2	Chemical Measurements (also read Lab Manual Appendices C, D, E)
4	Sept. 16 – 18	3	Chemical Reactions and Solutions
5	Sept. 23 – 25	4	Synthesis of a Cobalt Salt
6	Sept. 30 – Oct. 2	5	Reaction Stoichiometry
7	Oct. 7 – 9	6	Acid-Base Titration
FALL BREAK – Tuesday labs do not meet			
8	Oct. 14 – 16	7	Copper Compounds (Wednesday/Thursday labs only)
9	Oct. 21 – 23	8	Gas Laws
10	Oct. 28 – 30	10	Thermochemistry (also read Lab Manual Appendix F)
11	Nov. 4 – 6	11	Atomic Spectroscopy
12	Nov. 11 – 13	12	Spectrophotometry
13	Nov. 18 – 20	13	Determination of Iron in Tablets
	Nov. 25 – 27		No Lab Meeting - Thanksgiving Recess
14	Dec. 2 – 4	14	Molecular Models
15	Dec. 9 – 11		Check Out

Notes:

1. Come prepared each week for lab. Study the assigned lab procedure and relevant appendices. Obtain any needed table data (molar masses, etc.). Make procedural notes and data/observation tables in your notebook. All of this should be done before coming to the lab. The instructor may give a quiz at the start of the lab session.
2. Write down all primary data and observations directly in your lab notebook, not in your manual, report sheet, or extra papers. Also in the notebook, answer questions that are asked in the manual procedures and show calculations needed for the report sheet. Notebooks will be graded weekly (1 point per week).
3. A completed report sheet for the experiment should be returned to the TA at the end of the lab period unless otherwise notified. Your report grade will be based on the correctness of any calculations, including significant figures, the quality of your results, and the answers to any questions.
4. Safety goggles are to be worn in the laboratories at all times, unless the instructor specifically notes otherwise (e.g., during prelab lectures or quizzes). In particular, if **any** student is conducting an experiment, **all** students in the lab must have on goggles.

5. Lab quizzes will be given throughout the semester at the instructor's discretion. A missed lab period, report, or quiz will be counted as "0". If you must miss a lab for medical reasons or for a University-approved function, contact your instructor *before the lab* and arrange to make up the lab that week in another section. Labs cannot be made up in weeks following their assigned time. **More than 2 unexcused absences from the lab will result in a failing grade for the semester.**

6. Points earned in lab make up 10% of your Chem 1711 grade. Lab point distribution is as follows:

Lab Notebooks	12 points
Report Sheets	128 points
Lab Quizzes	60 points
Total	200 points

7. If you are using Chem 1711 to fulfill the general education requirement for scientific literacy, you must generate and submit an artifact to be assessed. The artifact for this course will consist of completed report sheets for experiments 4 and 5, plus an additional exercise that will be available from your lab instructor during weeks 7, 8, and 9 of the semester. The artifact must be uploaded as one complete packet to TaskStream.