

Laboratory Schedule

Week	Wed	Exp#	Experiment
1	1/13	1	Check into Lab; Measurements and Significant Figures
2	1/20	2	The Use of Chemical Balances
3	1/27	3	Use of Volumetric Ware and the Determination of Density
4	2/3	5	Separation and Analysis
5	2/10	16	Use of Melting Points in the Identification of Organic Compounds
6	2/17	18	Hydrocarbons
7	2/24	19	Reactions of Alcohols and Phenols
8	3/3	22	Synthesis of Aspirin and other Esters
9	3/10		Spring Break - no labs
10	3/17	23	Identifying Functional Groups in Unknowns
11	3/24	26	A Study of Carbohydrates
12	3/31	30	Enzymes: Nature's Catalysts
13	4/7	32	Vitamin C Content of Foods
14	4/14	34	Extraction of DNA from Wheat Germ
15	4/21		Check out of Lab, turn in key

Laboratory Procedures:

1. Students must attend the lab section for which they are registered. No “make-up” labs are possible.
2. Students are expected to read the lab ahead of time and understand the lab activities to be done *before* they come to lab. Each experiment has a “pre-lab review” that must be completed and *submitted through Canvas at least one hour before the beginning of the lab period*.
3. Some experiments are to be performed on an individual basis (no partners). Other experiments will be done as a team with your lab partner, as directed by your lab instructor. When given an unknown, each student will test their own unknown and submit their analysis of their own unknown.
4. Completed lab reports are due prior to the beginning of the *next scheduled lab period* following completion of the experiment. Submit each lab report electronically as single-file, multiple-page image through Canvas by the deadline posted for each activity.
5. You must bring your laboratory textbook (or appropriate sheets) to each laboratory session.
6. SAFETY: We want you to be safe in lab. Protective eye glasses, goggles, or prescription eye glasses (subject to instructor approval) must be worn at all times in the lab. Have them with you the first day of lab.
7. It also important to wear clothing in lab that adds extra protection. Students must wear long pants and closed-toe shoes. Long hair must be drawn back (e.g. braids, ponytail, bun) such

that it does not hang down over the lab bench. Students should also avoid wearing bulky, oversized sleeves that might drag across the lab bench.

In addition, any instructions given about safety precautions must be followed. Violation of any of these policies can result in expulsion from the lab.

LAB SAFETY DURING the COVID-19 PANDEMIC:

Our beautiful new labs in Tracy Hall were designed with significant space between workstations, which allows for significant social distancing. We always wear personal protection clothing in the lab. This includes safety glasses/goggles. Due to the COVID pandemic, we will also wear FACE MASKS throughout the lab. Your mask must cover your mouth and nose. If you need to remove your mask, you must leave the lab to do so. Your face mask must be back on before returning to the lab.

YOU ARE RESPONSIBLE TO BRING YOUR OWN SAFETY GLASSES AND FACE MASKS!

*Please Note: These safety rules will be strictly enforced.
No one will be allowed in lab without wearing both face masks and safety glasses.*

When needed in the lab, the chemistry department will supply disposable gloves. We also anticipate having alcohol hand sanitizer available for you as you enter and leave the lab.

Labs should be a fun, enjoyable experience where you can discover science in a safe, hands-on environment. By following these rules and the instructions of your instructor, this should be the most memorable aspect of our chemistry course.

8. Students must have fun in lab.