# General Chemistry 2 Laboratory

## CHEM 0120/0440 Summer 2019 (2197)

## About This Course

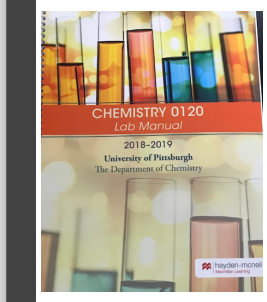
- In this laboratory course, you will get to explore the concepts discussed in lecture experimentally. You will also learn a variety of basic laboratory techniques, building a foundation for other chemistry laboratory courses.
- All students who are enrolled in CHEM 0110 are required to complete this laboratory component.
- Course announcements, pre-lab assignments, select handouts, and grades will be posted on Blackboard.

## Staff


Lab Coordinator
Tamika A. Madison
107J Chevron Science Center
(412) 624 - 8979
tam7@pitt.edu

Lab Manager
Stan Paul
107I Chevron Science Center
(412) 624 - 8610
stanpaul@pitt.edu

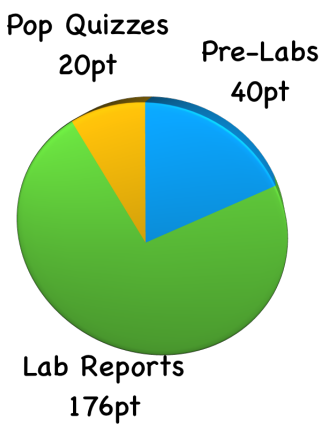

## Required Materials




CHEM 0120 Lab Manual
University of Pittsburgh
2018 - 2019

Chemical
Splash Goggles

## Grading




- Total lab scores are normalized across all lab sections.

## Lab Safety

- Your safety is our top priority. Follow all safety instructions in the lab manual and given by your laboratory instructor.
- You must come dressed appropriately and wear your goggles and apron during each lab session.
- Failure to comply with these instruction will result in your dismissal from lab.

## Policies

- Due to the fast pace of the summer session, no make-up labs will be given. If you must miss a lab for any reason, let your instructor know so that they can determine if excusing you from the experiment is appropriate. If you miss more than one experiment, you should contact either the lab coordinator or lab manager.
- Pre-lab assignments will be administered through Blackboard. You will have three attempts to complete each assignment by the start of the recitation hour on the day that the lab takes place. The highest grade out of the three attempts will be counted.
- Your laboratory instructor will give you 4 "pop" quizzes throughout the term. In anticipation of these quizzes, you should make a one page double sided cheat sheet that you will be able to use for quiz for each session.
- Most lab reports can be completed by the end of each lab session. For longer experiments, lab reports are to be turned in the TA's mailbox 24 hours after the start of the lab session. Late reports will not be accepted.

## Academic Integrity

- Cheating/plagiarism will not be tolerated. Students suspected of violating the University of Pittsburgh Policy on Academic Integrity, from the February 1974 Senate Committee on Tenure and Academic Freedom reported to the Senate Council, will be required to participate in the outlined procedural process as initiated by the instructor. A minimum sanction of a zero score for the quiz or lab report will be imposed.
- To complete each lab report, you must use data that you collected for that session. Using old lab reports, or data collected by someone else is in violation of the University's Academic Integrity Code.
- Although experiments are completed in pairs, each student must submit their own lab reports in their own words.

## Students with Disabilities

- If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Resources and Services, 140 William Pitt Union, 412-648-7890/412-624-3346 (Fax), as early as possible in the term. Disability Resources and Services will verify your disability and determine reasonable accommodations for this course. For more information, visit www.studentaffairs.pitt.edu/drsabout.
- If a disability may impact your ability to complete any experimental work safely and effectively in the laboratory, please contact the lab coordinator as soon as possible so that reasonable accommodations can be made.

# Schedule of Experiments

| | Experiment | |
|---|---|---|
| **Week** | **Monday** | **Thursday** |
| **6/24** | Check-in and Safety Training<br>#1: Graphing | #2: Chromatography |
| **7/1** | #3: Freezing Points | Independence Day - No Classes |
| **7/8** | #5: Equilibrium Study | #6: Redox Titration |
| **7/15** | #7: Acids, Bases, Salts and Buffers | #8: Acid-Base Titration |
| **7/22** | #9: Thermochemistry and the Solubility of KHT | #10: Electrochemistry |
| **7/29** | #11: Redox Reactions | #12: Rates of Reaction<br>Checkout |