General Chemistry 1 Laboratory
CHEM 0110/0430

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.

Required Materials

CHEM 0110 Lab Manual
University of Pittsburgh
2018 - 2019

Chemical Splash Goggles

Staff

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

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

Grading

• Pre-Lab Assignments........4 points each
• Lab Reports......................16 points each
• Pop-Quizzes......................4 @ 5 points each
• Laboratory Exam..............30 points

Total lab scores are normalized across all lab sections.

Policies

• 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 instructions will result in your dismissal from lab.

• Most lab reports can be completed by the end of each lab session. For longer experiments, lab reports are to be turned in the TAs' mailbox 24 hours after the start of the lab session. Late reports will not be accepted.

• Cheating/plagiarism will not be tolerated. Each student is expected to complete their own lab report. Failure to comply with the University’s academic integrity code could result in a failing grade on the assignment in question.

• If you have a disability for which you may be requesting accommodations, please contact Disability Resources and Services as soon as possible. In addition, alert the Lab Coordinator or Lab Manager if you have a condition that may affect your performance in lab.

Make Up Policy

• Make-ups are reserved for emergencies and university sanctioned events.

• Students must sign up for a make-up slot in room 107 before attending a make-up session.

• A make-up slip (see manual) must be attached to the lab report for it to be accepted for grading.

• Make-ups must occur within the same week as the missed session.
## Schedule of Experiments

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<th>Topic</th>
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<td>Lab Check-in and Safety Training</td>
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<tr>
<td>1/14</td>
<td>#1: Observing and Recording Properties</td>
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<td>1/21 (T - F)</td>
<td>#2: Scientific Measurements: Determining Density, Accuracy and Precision</td>
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<td>1/28</td>
<td>#3: Mathematical Methods and the Mole</td>
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<td>#4: Quantitative Solution Chemistry</td>
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<td>#5: Classes of Reaction</td>
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<td>2/18</td>
<td>#6: Chemical Metallurgy</td>
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<td>#7: Limiting Reagent</td>
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<tr>
<td>3/4</td>
<td>#8: Thermochemistry I</td>
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<td>3/11</td>
<td>SPRING BREAK - NO CLASSES!!</td>
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<td>#10: Electrical Conductance of Solutions</td>
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<td>#12: Qualitative Analysis</td>
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<td>Lab Exam and Checkout</td>
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