

General Chemistry 120 Laboratory

Hamilton College, Fall 2013
Wednesday 1-4PM, SCCT 1068

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| Instructor: | Prof. Adam W. Van Wynsberghe avanwyns@hamilton.edu SCCT 1063 (315-859-4309) Skype or Google IM: avanwyns |
| Office Hours: | M 2-3:30PM, T 3-4PM SCCT 1063 or by appointment |
| Required Materials: | Lab Manual, Lab Notebook, pen(<i>no pencils!</i>), safety glasses, lab coat, and calculator |

Attendance

Attendance in laboratory is required for every experiment during your assigned time. The Dean of Students must approve all absences from lab, even because of illness. If you suddenly become ill before lab, call or email me and go to the Health Center. Contact me as soon as possible to schedule makeup labs. Unexcused absences will result in a grade of zero. ***You must receive a passing grade in the laboratory section to pass Chemistry 120!***

Laboratory Safety

Appropriate clothing including safety glasses, lab, coats, close-toed shoes, and long pants must be worn at all times. Failure to comply will result in dismissal from the lab. No drink bottles, food, or gum is permitted. If you have a condition that might result in a seizure, loss of consciousness, or other situation that might endanger your safety or the safety of others in the laboratory, please inform Professor Van Wynsberghe as soon as possible.

Students with Disabilities

Hamilton College will make reasonable accommodations for students with properly documented disabilities. If you are eligible to receive an accommodation(s) and would like to make a formal request for this course, please discuss it with me during the first two weeks of class. You will need to provide Allen Harrison, Associate Dean of Students (Elihu Root House; ext. 4021) with appropriate documentation of your disability.

Pre-lab Preparation

For each laboratory you will complete a pre-lab assignment. A lab's pre-lab assignment will be available in the previous week's lab and the course's Blackboard site. The due date is 24 hours before your lab section, i.e. 1PM on Tuesday. Drop your pre-lab in the appropriate slot in the yellow box outside of SCCT 1068. You can earn up to 4 points in the pre-lab assignment. Late pre-labs will not be accepted.

Lab Notebook

It is important to keep a neat and well-organized lab notebook. The lab notebook serves as a record of what you have done. In essence, it is your laboratory diary. For the notebook, function is much more important than formatting; however, a notebook that contains all the necessary information but is impossible to read or follow is useless. At the end of every week you will hand in the original pages of your notebook while you keep the copies. All notebook entries should be made in pen and the first pages should include a Table of Contents for easy reference to your experiments. See the lab manual, pg. 19, for instructions on how to keep a good notebook. Before you come to lab you should complete the first three sections (Title and Date, Objective/Introduction, and Experimental Plan) in your lab notebook. You can earn up to 5 points for your lab notebook pages.

Honor Code

All Hamilton College policies regarding ethics and honorable behavior apply to this course. Academic dishonesty, including any form of cheating, is regarded as a very serious offense and may result in a failing grade in the course. Both your lab notebook and lab reports must be in compliance with the honor code. Directly **copying** from either a handout or the lab manual is considered academic dishonesty. Presenting data that you did not personally collect without citing its source is academic dishonesty. Please review the Code of Student Conduct if necessary: <http://www.hamilton.edu/student-handbook/studentconduct/honor-code>.

Laboratory Schedule

| Week | Laboratory Exercise | Report Points |
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| Sept. 4th | Introduction to the laboratory | |
| Sept. 11th | Types of Chemical Reactions | |
| Sept. 18th | Types of Chemical Reactions | 50 (report) |
| Sept. 25th | Origins of Color | 25 (summary) |
| Oct. 2nd | Analysis of Pennies | |
| Oct. 9th | Analysis of Pennies | 50 (report) |
| Oct. 16th | Fall Break—No Labs | |
| Oct. 23rd | Calorimetry | 25 (report) |
| Oct. 30th | Biodiesel | |
| Nov. 6th | Biodiesel | 50 (report) |
| Nov. 13th | Equilibrium | |
| Nov. 20th | Equilibrium | 50 (report) |
| Nov. 27rd | Thanksgiving Break—No Labs | |
| Dec. 4th | Chemical demonstrations projects: lab work | |
| Dec. 11th | Chemical demonstrations: presentations | |