

**CHEM 1250**  
**GENERAL CHEMISTRY II LABORATORY**  
**Winter, 2020**

**Instructor:** Prof. Todd A. Wells

SGM 130

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Section	Room	Day	Time	T.A.	Email
1	Olin 222	Wed.	6:00 - 8:50 pm	Morgan Schneider	Morgan.Schneider@du.edu
2	Olin 222	Thur.	2:00 - 4:50 pm	Morgan Schneider	Morgan.Schneider@du.edu
3	Olin 235	Tues.	2:00 - 4:50 pm	Ted Litberg	Ted.Litberg@du.edu
4	Olin 222	Tues.	6:00 - 8:50 pm	Joseph Salazar	Joseph.Salazar105@du.edu
5	Olin 222	Tues.	2:00 - 4:50 pm	Joseph Salazar	Joseph.Salazar105@du.edu
6	Olin 222	Wed.	2:00 - 4:50 pm	Alex Volkova	Alex.Volkova@du.edu
7	Olin 225	Tues.	6:00 - 8:50 pm	Maxwell Freeman	Maxwell.Freeman@du.edu
8	Olin 235	Wed.	6:00 - 8:50 pm	Alex Volkova	Alex.Volkova@du.edu
9	Olin 225	Wed.	2:00 - 4:50 pm	Johnson Joseph	Johnson.Joseph@du.edu
10	Olin 225	Tues.	2:00 - 4:50 pm	Johnson Joseph	Johnson.Joseph@du.edu
11	Olin 225	Thur.	2:00 - 4:50 pm	Ted Litberg	Ted.Litberg@du.edu
12	Olin 235	Wed.	2:00 - 4:50 pm	Nicholas Stillman	Nick.Stillman@du.edu
13	Olin 235	Thur.	2:00 - 4:50 pm	Maxwell Freeman	Maxwell.Freeman@du.edu
14	Olin 225	Wed.	6:00 - 8:50 pm	Nicholas Stillman	Nick.Stillman@du.edu

- You are required to do **EVERY** lab. What if you miss your scheduled lab?
  - We attempt to make reasonable accommodations for students to make up missed labs. **Try and make up the missed lab during the week it was originally scheduled.** However, a missed lab can be completed in the following week as well.
  - It is **your responsibility** to make the proper arrangements to complete the lab. These include:
    - Choose a section from the list above that fits your schedule.
    - Contact both your Teaching Assistant and the TA for the desired make-up section. Provide them with:
      - Your Name**
      - Your Teaching Assistant's Name**
      - The lab section you are registered for**
      - The name of the Teaching Assistant for the make-up section**
      - The number of the lab section for the make-up.**

Attend the make-up lab **only** after both TAs have acknowledged your request.

- No student** will be **allowed to begin** a lab if they arrive **more than 30 minutes late** for their scheduled lab time.

- **No student** will be **allowed to complete** a lab without following proper safety procedures including following safety protocol as it pertains to proper laboratory attire.
- Reports are due one week from the scheduled finish of the experiment at the beginning of the next lab period. **Any assignment turned in 15 minutes after the start of lab is considered one day late. A penalty of 10% per day will be charged for late assignments. No assignment will be accepted after 4 days from original due date.**

**Notebooks:** You will be required to have a lab notebook they can be purchased at the DU bookstore. You must use a notebook that produces copies either carbonless or with carbon paper. This should be used to record your data and observations. While your notebook will not be graded, you must have your Teaching Assistant initial it at the conclusion of each lab exercise.

**Prelabs:** There are Prelab assignments with each lab, to be completed **before** coming to lab each week. You are required to watch/read the prelab material on CANVAS then answer a series of questions. The Prelab questions will also be posted on CANVAS under assignments. If your Prelab is not complete, you will not be allowed to begin the experiment. THIS REQUIREMENT IS NOT FLEXIBLE. IT IS FOR YOUR PROTECTION AND THE OTHER STUDENTS IN THE COURSE. You must come to lab prepared and informed.

<b>Grading:</b>	Pre-labs (20 pts each)	180
	Lab Worksheets (80 pts each)	400
	Lab Reports (100 pts each)	400
	Notebooks (5 pts each week)	40
	<b>Total</b>	<b>1020</b>

**EXPERIMENT SCHEDULE (subject to change with appropriate notice)**

<b>WEEK</b>	<b>DATES</b>	<b>EXPERIMENT</b>
1	Jan. 6-10	Safety Lecture/ Course Intro
2	Jan. 13-17	Verifying Hess's Law
3	Jan. 20-25	Factors Affecting Reactions: Le Châtelier's Principle
4	Jan. 27-Jan. 31	<b>Colorimetric determination of an Equilibrium Constant (Full lab report due for this experiment)</b>
5	Feb. 3-7	Standardization of Acids and Bases
6	Feb. 10-14	Weak acid titrations
7	Feb. 17-21	<b>Solubility Product Constants (Full lab report due for this experiment)</b>
8	Feb. 24-28	Reaction Kinetics
9	Mar. 2-6	<b>Student Designed Experiment I (Full lab report due for this experiment)</b>
10	Mar. 9-13	<b>Student Designed Experiment II (Full lab report due for this experiment)</b>