

CHEM 1250
GENERAL CHEMISTRY II LABORATORY
Spring, 2022

Instructor: Prof. Todd A. Wells
Physics 319
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Mailboxes: Chemistry Department Office: Olin202, x1-2436

Section	Room	Day	Time	T.A.	Email
1	Olin 222	Wed.	6:00 - 8:50 pm	Tyler Ball	tyler.ball@du.edu
2	Olin 222	Thur.	2:00 - 4:50 pm	Desiree Joyce Sarmiento	DesireeJoyce.Sarmiento@du.edu
3	Olin 235	Tues.	2:00 - 4:50 pm	Eman Elshalia	Eman.Elshalia@du.edu
4	Olin 222	Tues.	6:00 - 8:50 pm	Enoch Asimbisa	Enoch.Asimbisa@du.edu
5	Olin 222	Tues.	2:00 - 4:50 pm	Charles Baysah	Charles.Baysah@du.edu
6	Olin 222	Wed.	2:00 - 4:50 pm	Tyler Ball	tyler.ball@du.edu
7	Olin 225	Tues.	6:00 – 8:50 pm	Charles Baysah	Charles.Baysah@du.edu
8	Olin 235	Wed.	6:00 - 8:50 pm	Meredith Jones	meredith.h.jones@du.edu
9	Olin 225	Wed.	2:00 - 4:50 pm	Nick Bagnall	nicholas.bagnall@du.edu
10	Olin 225	Tues.	2:00 - 4:50 pm	Enoch Asimbisa	Enoch.Asimbisa@du.edu
11	Olin 225	Thur.	2:00 - 4:50 pm	Nick Dacon	Nick.Dacon@du.edu
12	Olin 235	Wed.	2:00 - 4:50 pm	Meredith Jones	meredith.h.jones@du.edu
13	Olin 235	Thur.	2:00 - 4:50 pm	Eman Elshalia	Eman.Elshalia@du.edu
14	Olin 225	Wed.	6:00 - 8:50 pm	Nick Bagnall	nicholas.bagnall@du.edu
15	Olin 235	Tues.	6:00 – 8:50 pm	Nick Dacon	Nick.Dacon@du.edu
16	Olin 225	Thur.	6:00 – 8:50 pm	Desiree Joyce Sarmiento	DesireeJoyce.Sarmiento@du.edu

- You are required to do **EVERY** lab, if you miss your section you must make it up in the same week the lab is offered.
- **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.
- If you cannot make your scheduled lab time you **MUST** get permission from your Teaching Assistant before changing.
- 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.

Grading:	Pre-labs (20 pts each)	160
	Lab Worksheets (80 pts each)	400
	Lab Reports (100 pts each)	400
	Notebooks (5 pts each week)	40
	Total	1000

EXPERIMENT SCHEDULE (subject to change with appropriate notice)

WEEK	DATES	EXPERIMENT
1	Jan. 4-7	Safety Lecture/ Check-in
2	Jan. 11-14	Online Lab – Thermodynamics (Enthalpy, entropy and Free Energy)
3	Jan. 18-21	Factors Affecting Reactions: Le Châtelier's Principle (Full lab report due for this experiment)
4	Jan. 25-28	Colorimetric determination of an Equilibrium Constant (Full lab report due for this experiment)
5	Feb. 1-4	Standardization of Acids and Bases
6	Feb. 8-11	Weak acid titrations
7	Feb. 15-18	Solubility Product Constants (Full lab report due for this experiment)
8	Feb. 22-25	Reaction Kinetics
9	Mar. 1-4	Student Designed Experiment I (Full lab report due for this experiment)
10	Mar. 8-11	Student Designed Experiment II (Full lab report due for this experiment)