

CHEM 1250
GENERAL CHEMISTRY II LABORATORY
Spring, 2017

Instructor: Prof. Todd A. Wells
SGM 130
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Section	Room	Day	Time	T.A.	Email
1	Olin 232	Wed.	6:00 - 8:50 pm	Nicole Toro	Nicole.Toro@du.edu
2	Olin 232	Thur.	2:00 - 4:50 pm	Chris Aretz	Chris.Aretz@du.edu
3	Olin 222	Thur.	6:00 - 8:50 pm	Ana Franklin	Ana.Franklin@du.edu
4	Olin 225	Thur.	6:00 - 8:50 pm	Bulat Khaliullin	Bulat.Khaliullin@du.edu
5	Olin 222	Tues.	2:00 - 4:50 pm	Ben Swanson	Benjamin.Swanson@du.edu,
6	Olin 225	Tues.	2:00 - 4:50 pm	Anarkali Mahmood	Anarkali.Mahmood@du.edu
7	Olin 222	Tues.	6:00 - 8:50 pm	David Robinson	David.Robinson@du.edu
8	Olin 225	Tues.	6:00 - 8:50 pm	Chris Aretz	Chris.Aretz@du.edu
9	Olin 222	Wed.	2:00 - 4:50 pm	Nicole Toro	Nicole.Toro@du.edu
10	Olin 225	Wed.	2:00 - 4:50 pm	Richard Ayikpoe	Richard.Ayikpoe@du.edu
11	Olin 222	Thur.	2:00 - 4:50 pm	David Robinson	David.Robinson@du.edu
12	Olin 225	Thur.	2:00 - 4:50 pm	Bulat Khaliullin	Bulat.Khaliullin@du.edu
13	Olin 225	Wed.	6:00 - 8:50 pm	Ana Franklin	Ana.Franklin@du.edu
14	Olin 222	Wed.	6:00 - 8:50 pm	Richard Ayikpoe	Richard.Ayikpoe@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.

Prelabs: There are prelab assignments with each lab, to be done **before** coming to lab each week. Write your answers to these prelab assignments in your lab notebook. As part of the prelab each week you are required to write the procedure for that weeks experiment in your laboratory notebook along with any safety guidelines and potential hazards given. Your Teaching Assistant will collect it before you begin the experiment. 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.

Grading:	Pre-labs (20 pts each)	140
	Quizzes (20 pts each)	160
	Lab Worksheets (80 pts each)	320
	Lab Reports (100 pts each)	400
	<u>Notebooks (5 pts each week)</u>	<u>40</u>
	Total	1060

EXPERIMENT SCHEDULE (subject to change with appropriate notice)

WEEK	DATES	EXPERIMENT
1	Jan. 3-6	Checkin/Safety Lecture
2	Jan. 9-13	Thermodynamic (Enthalpy, entropy and Free Energy)
3	Jan. 16-20	Colorimetric determination of an Equilibrium Constant
4	Jan. 23-27	Standardization of Acids and Bases
5	Jan. 30-Feb. 3	Weak acid titrations
6	Feb. 6-10	Solubility Product Constants
7	Feb. 13-17	Reaction Kinetics
8	Feb. 20-24	Student Designed Experiment
9	Feb. 27-Mar. 3	Student Designed Experiment
10	Mar. 6-Mar. 10	Checkout