

CHM 151 LL Laboratory Schedule

Summer 2024, Monday-Wednesday Labs

Dates	Lab Activities	Textbook
May 29	Safety QUIZ: Lab Safety Elements, Ions & Periodic Table	2.3, 2.5
June 3	QUIZ: Element Names & Symbols; Selected Ion Names, Formulas & Charges (monatomic & polyatomic ions); Chemical Nomenclature	2.4, 2.6, 2.7
June 5	Chemical Equation Balancing , and Classification of Chemical Reactions I—Double Replacement	4.1, 4.2
June 10	MAJOR QUIZ 1: Nomenclature Identification of Ionic Solutions	
June 12	Classification of Chemical Reactions II—REDOX Reactions , and Empirical Formula of a Copper Chloride	3.1, 3.2
June 17	Preparation & Standardization of a Base Solution	3.3, 4.3, 4.5
June 24	MAJOR QUIZ 2: Equation balancing, reaction types, product prediction, determination of oxidation numbers Determination of % KHP in a Mixture.	
June 26	Thermochemistry, parts I, II, and III.	5.1, 5.2, 5.3
July 1	Atomic Spectra & Electron Energy Levels.	6.1, 6.2, 6.4
July 3	Lewis Structure & Molecular Shape MAJOR QUIZ 3: Stoichiometry	7.2, 7.3, 7.4
July 8	Lewis Structure & Molecular Shape, cont. Heat of Fusion for Ice.	
July 10	Molar Mass of a Gas.	7.6, 8.2, 8.3 9.1, 9.2
July 15	Temperature Dependence of Salt Solubility , and Molar Mass Determination by Freezing-Point Depression	11.3, 11.4
July 17	Final Exam	

- Your instructor will provide you with a link in Canvas to the class materials stored on Google Drive. Please download and save all electronic lab files at the beginning of the semester so that you can still print out the instructions if you can't connect to Google.
- Supplemental reading assignments come from your lecture textbook, OpenStax, *et. al*, **Chemistry 2e**, Read these sections before lab time.
- Grading policies, due dates, and general class policies will be discussed by your lab instructor.

Additional Resources

- [Safety Advisories](#)
- [Greek Numerical Prefixes](#)
- [Writing Abstracts of Laboratory Investigations](#)
- [Periodic Table](#)