

**CHM130LL Laboratory Schedule,
Monday-Wednesday Labs, Summer 2024**

Week of	Lab Activity	Textbook
May 29	<u>Safety & Scientific Inquiry</u> : Safety video and math review <u>Periodic Table, Names and Symbols of the Elements</u> : Periodic Table, Names & Symbols, Oxidation Numbers, <i>Nomenclature</i> p. 1-5	4.1-2, 6.1
June 3	<u>Laboratory Measurements</u> <u>Nomenclature of Compounds</u> : Polyatomic Ions, <i>Nomenclature</i> , p. 6	2.1-3 6.4
June 5	Today's 10 pt quiz will stress polyatomic ions. <u>Density</u> <u>Nomenclature of Compounds</u> This is the same document as the Nomenclature document from last week. Ionic Compounds, <i>Nomenclature</i> , p. 7-10.	6.4 2.7 6.2-3
June 10	<u>Separation of a Mixture</u> <u>Nomenclature of Compounds</u> This is the same document as the Nomenclature document from last week. Molecular Compounds and Hydrates, <i>Nomenclature</i> , p. 9-10	3.1 6.5
June 12	<u>Specific Heat</u> <u>Nomenclature of Compounds</u> , This is the same document as the Nomenclature document from last week. Acids, <i>Nomenclature</i> , p. 10	2.5-6, 3.4-5 6.1-5, 14.1
June 17	<u>Reaction Types and Chemical Equations</u> , <u>Nomenclature of Compounds</u> , This is the same document as the Nomenclature document from last week. Exercises, <i>Nomenclature</i> , p. 11-21 Major Quiz 1: Nomenclature	8.1-3 6.1-5
June 24	<u>Decomposition of Potassium Chlorate</u> ,	7.4, 9.1-3
June 26	<u>Water in Hydrates</u>	7.5, 9.5
July 1	<u>Double Replacement Reactions</u>	7.5, 9.5
July 3	<u>Qualitative Analysis of Selected Anions</u> , Major Quiz 2: Equation Writing and Balancing	8.3, 12.1-3
July 8	<u>Single Replacement Reactions</u>	8.3, 12.3, 13.6
July 10	<u>Standardization of a Sodium Hydroxide Solution</u>	7.3, 8.1-3, 14.8
July 15	<u>Determining the Concentration of an Unknown Acid</u> Major Quiz 3: Stoichiometry	14.8
July 17	Lab Final Exam	

- Your instructor will provide you with a link in Canvas to the location in Google Docs where class materials are stored. 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.
- Reading assignments from the lecture textbook, *Basic Chemistry (sixth edition)* by Timberlake and Timberlake, appear in the last column.
- Experiments score 25 points each. Most lab days, your instructor will give a 10-point quiz covering that week's lab, the previous week's lab, and lab safety. The three major quizzes score 50 points each.

- Your instructor will discuss grading policies, due dates, and general class policies.

Additional Resources

- [Lab Equipment](#)
- [Periodic Table](#)
- [Graphing](#)
- [Solubility Rules](#)
- [Final Exam Review](#)