

Sussex County Community College
Newton, NJ 07860
CHEM 110L

Textbook: Course Lab Manual

Week	Topics	Experiment	Read Before Class
1	Policies - Significant Digits, Scientific Notation, and Calculations. Review for safety exam	1	Lab 1
2	Measurement, Accuracy, Precision, and Significant Digits. Take safety exam; grade of 80 or higher is required to do future labs.	2	Lab 2. See drlchem.com/chem110L for exam study guide.
3	Identify Properties and Changes as Physical or Chemical	3	Lab 3 Do pre-lab
4	Mole Quantities and Naming Chemicals Research topic due to instructor	4	Lab 4, Do pre lab see drlchem.com
5	Percent Composition, Empirical Formulas	5	Lab 5 Do pre-lab
6	Balancing Chemical Equations Limiting reagent	6	Lab 6 Do pre-lab
7	Reaction Types, Net Ionic Equations	7	Lab 7 Do pre-lab
8	Molarity, Dilutions, and Stoichiometry List of 3 research references due	8	Lab 8, Do pre lab see drlchem.com
9	Titration: Standardize NaOH Solution with KHP**	9	Lab 9 Do pre-lab
10	Gas Laws, Ideal Gas Law and Stoichiometry**	10	Lab 10 Do pre-lab
11	Applying Gas Laws	11	Lab 11 Do pre-lab
12	Lewis Structures and Bonding	12	Lab 12 Do pre-lab
13	VSEPR, Electronegativity, and Polarity Presentation slides due to instructor	13	Lab 13, Do pre lab see drlchem.com
14	Determine Molar Mass by Dumas Method**	14	Lab 14 Do pre-lab
15	Student presentations on science, ethics, and information literacy**		see drlchem.com

* Dates and topics subject to change. **Writing across the curriculum.