

Sussex County Community College
Newton, NJ 07860
CHEM 100L

Textbook: Laboratory Manual, Introductory Chemistry, Charles H. Corwin,
 Sixth Edition, Pearson-Prentice-Hall

Week	Topics	Experiment	Read Before Class
1	Safety (see drlchem-chem100L) for exams, study guides), policies		drlchem-safety
2	Take safety exam; grade of 80 or higher is required to do future labs. Introduction	1 - instructor experiments	Experiment 1 Do pre lab
3	Instrumental Measurements	2	Experiment 2 Do pre lab
4	Density of Liquids and Solids. Research topic due to instructor (drlchem-how-to)	3	Experiment 3 drlchem-rubric
5	Freezing and Melting Points	4	Experiment 4 Do pre lab
6	Physical and Chemical Properties	5	Experiment 5 Do pre lab
7	Identifying Ions in Solution - report** Group A / <i>Group B no lab</i>	Handout	Handout. Bring water from home to lab.
8	Identifying Ions in Solution - report** Group B / <i>Group A no lab</i>	Handout	Handout. Bring water from home to lab.
9	Avogadro's Number. List of 3 research references due (drlchem-requirements)	11	Experiment 11 drlchem-how-to
10	Analysis of a Penny	10	Experiment 10 Do pre lab
11	Molecular Models	18	Experiment 18 Do pre lab
12	Organic Models	23	Experiment 23 Do pre lab
13	Precipitating Calcium Phosphate Presentation slides due to instructor	15	Experiment 15 drlchem-chem100L
14	Separation of Food Colors	24	Experiment 24 Do pre lab
15	Student presentations on science, ethics, and information literacy**		drlchem-chem100L

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