

## CHEM 124/6 - GENERAL CHEMISTRY II LABORATORY

## SCHEDULE OF EXPERIMENTS

Winter 2019

<u>Expt</u>	<u>Name</u>	<u>Pages</u>	<u>Dates</u>
1	Discussion of Lab Policies Review of Lab Techniques	iii-x 1-1 – 1-6	Jan 9-10 Jan 9-10
2	Intermolecular Forces	2-1 – 2-6	Jan 16-17
3	Analysis of Aluminum(III) in Water	3-1 – 3-9	Jan 23-24
4	Solvation and Freezing Point Depression	4-1 – 4-11	Jan 30-31
5	Electrolysis	5-1 – 5-9	Feb 6-7
6A	Kinetics of the Permanganate-Isopropyl Alcohol Reaction	6A-1 – 6A-9	Feb 13-14
6B	Kinetics: Initial Rates	6B-1 – 6B-8	Feb 20-21
***	Winter Recess ***	-----	Feb 27-28
7	The Iron(III) – Thiocyanate Reaction System	7-1 – 7-11	Mar 6-7
8	Qualitative Analysis of Cations	8-1 – 8-9	Mar 13-14
9	pH Meters, Hydrolysis and Buffer Capacity	9-1 – 9-10	Mar 20-21
10	pK <sub>a</sub> and Molar Mass of a Weak Acid	10-1 – 10-8	Mar 27-28
7B	Temperature Dependence of the Equilibrium Constant	7B-1 – 7B-8	Apr 3-4
	Lab Final	LSE-1 – LSE-6	Apr 10-11
11	Electrochemical Cells	11-1 – 11-8	Apr 17-18