

Week	Week of	Experiment	Writing Component	Prelab Assignments	D2L Online Quiz
1	August 22	Check In Laboratory Safety/ Writing Introduction			
2	August 29	Use of Analytical (Volumetric) Glassware		Entrance Quiz 1	
3	September 5	Balancing Oxidation and Reduction Reactions <i>Virtual</i>			Quiz 1 (Vol Glassware and Safety)
4	September 12	Synthesis of Alum and the Chemistry of Aluminum	Introduce Creating Data Tables and Graphs	Entrance Quiz 2	Quiz 2 (Redox)
5	September 19	Using Freezing Point Depression to Determine Molar Mass of an Unknown		Entrance Quiz 3	Quiz 3 (Alum)
				Create Data Tables to be Filled In During Lab	
6	September 26	Standardizing a KMnO_4 Solution and Determining the Concentration of H_2O_2 Solutions by Titration		Entrance Quiz 4	Quiz 4 (Freezing Point)
				Create Data Tables to be Filled In During Lab	
7	October 3	Kinetics of the Permanganate and Oxalate Reaction	Turn in Data Tables and Graphs for Freezing Point	Entrance Quiz 5	Quiz 5 (Redox Titration)
8	October 10	Fall Break (Monday Labs will meet and complete Week 9 Assignments/No Labs for Tuesday-Friday)			
9	October 17	Spectrophotometric Analysis of Co^{2+} Solutions (Monday Labs Complete the Week of 10/11)	Turn in Data Tables for Redox Titration	Entrance Quiz 6	Quiz 6 (Kinetics)
				Create Data Tables to be Filled In During Lab	
10	October 24	Using Spectrophotometry to Calculate K_{eq}	Introduce Procedure	Entrance Quiz 7	Quiz 7 (Spectrophotometry)
11	October 31	Monitoring Acid-Base Titrations with a pH Meter	Turn in Data Tables and Graphs for Beer's Law	Entrance Quiz 8	Quiz 8 (Keq)
				Create Data Tables to be Filled In During Lab	
12	November 7	K_{sp} and $\Delta G^\circ_{\text{rxn}}$ for a Slightly Soluble Acid Salt	Turn in Data Table and Procedure for K_{eq}	Entrance Quiz 9	Quiz 9 (pH Titration)
				Create Data Tables to be Filled In During Lab	
13	November 14	Identifying an Unknown Diprotic or Triprotic Acid by Determining K_{a} and Molar Mass	Turn in Data Table and Procedure for K_{sp}	Create Data Tables to be Filled In During Lab and Bring Procedure to Follow during Lab	Quiz 10 (Ksp)
14	November 21	Thanksgiving Break (No Labs)			
15	November 28	Exploration of Electrochemical Cells		Entrance Quiz 10	
16	December 5	Lab Practical	Turn in Diprotic Acid Writing Assignment		Lab Final Written