

CHEM 1154/ R50: SPRING 2010 LAB SCHEDULE

| Date: | Experiment Name | Pages in Lab Manual | Unknown? |
|------------|---|---------------------|----------|
| Jan. 14 | Introduction to the Chemistry Lab | 26 | No |
| Jan. 21 | Use of the Analytical Balance and Laboratory Techniques | 27 – 32 | No |
| Jan. 28 | Molar Mass of Magnesium | 33 – 37 | No |
| Feb. 04 | Spectrophotometric Analysis of Fe ²⁺ using 1,10-phenanthroline | 41 – 43 | Yes |
| Feb. 11 | Determination of Molar Mass by Freezing Point Depression | 44 – 49 | No |
| Feb.18- 25 | No Labs (Reading Break) | | |
| March 04 | Chemical Kinetics: Hydrolysis of 2-chloro-2-methylpropane | 50 – 56 | No |
| March 11 | Oxidation-Reduction Analysis | 38 – 40 | Yes |
| March 18 | Acid Dissociation Constant of an Indicator | 57 – 62 | No |
| March 25 | Potentiometric Titration Curves | 63 – 65 | No |
| April 01 | Solution Calorimetry | 66 – 73 | No |
| April 08 | Thermodynamics of Voltaic Cells | 74 – 78 | No |
| April 15 | Lab Exam | -- | Yes |