

CONNECTICUT COLLEGE
CHM 204 Laboratory Schedule
Spring 2012

Jan. 26	Check-in and Safety Review Synthesis of a Layered Manganese Oxide
Feb. 2	Intermolecular Forces and Ferrofluids Collection of Layered Manganese Oxide
Feb. 9	Crystal Packing
Feb. 16	Characterization of a Layered Manganese Oxide using X-Ray Diffraction (XRD) and Thermogravimetric Analysis (TGA) Notebooks Due: Intermolecular Forces, Crystal Packing
Feb. 23	Characterization of a Layered Manganese Oxide using Atomic Absorption (AA) and Scanning Electron Microscopy (SEM)
Mar. 1	Redox Titration of Manganese Oxide
Mar. 8	Notebook, Report Due: Manganese Oxide Preparation and Analysis
Spring Break	
Mar. 29	Synthesis and Kinetic Studies of Linkage Isomers Introduction to Cobalt Project
Apr. 5	Cobalt Complex Synthesis
Apr. 12	Cobalt Complex Synthesis, continued
Apr. 19	Cobalt Complex Analysis (Water, Total Chloride) Notebook Due: Linkage Isomers
Apr. 26	Cobalt Complex Analysis (Water, Total Chloride, Ionic Chloride)
May 2	Cobalt Complex Analysis (Spectrophotometric Analysis for Cobalt)
May 10	Notebook, Report Due: Synthesis and Analysis of Cobalt Complex