

CHEMISTRY 356

Laboratory schedule and experiment due dates for Spring 2010

(Revised 1/19/2010)

Chemistry 356-01 meets on Monday from **12:00–2:50 pm**.

Chemistry 356-02 meets on Monday from **3:30–6:20 pm**.

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Lab date	Experiment	Report due
—	1 Treatment of Data (Do prior to first class.)	Feb 1
Jan 25	2 Determination of a Cation Mixture Using Ion Exchange	Feb 8
Feb 1	3 Titrimetric Methods	Feb 15
	14 Solar & Fuel Cells, Part 1. Solar	Mar 22
Feb 8	4 Absorption Spectrophotometry	Feb 22
Feb 15	5 pH Measurements and Titrations	Mar 1
Feb 22	6 Electrochemistry	Mar 15
Mar 1	14 Solar & Fuel Cells, Part 2. Fuel	(see above)
Spring Break March 8		
Mar 15	7 Synthesis of Metal Oxalate Compounds	Mar 29
	13 X-Ray Crystallography, Part 1. Ligand Synthesis	—
Mar 22	11 Atomic Absorption Analysis	Apr 5
	13 X-Ray Crystallography, Part 2. Crystal Growth	—
Mar 29	8a Synthesis of Copper Complexes with 4,4'-Bipyridyl	Apr 19
	9a, 9b Synthesis of CuCl and a CuCl-Thiourea Complex	Apr 12
Apr 5	8b Copper(I) Organic Networks Equilibrium Study	(see above)
	8c, 9c Copper Analysis	(see above)
Apr 12	10 Purification of Ferrocene	Apr 26
	12 Thermogravimetry (Groups 1 and 2)	Apr 26
	13 X-Ray Crystallography, Part 3. Crystal Mounting	—
Apr 19	10 Ferrocene Infrared Spectrum	(see above)
	12 Thermogravimetry (Groups 3 and 4)	(see above)
	13 X-Ray Crystallography, Part 4. Structure Solution	—
Lab notebooks are due April 26.		