

TENTATIVE LABORATORY SCHEDULE
General Chemistry 110, Lycoming College, Fall 2008

Date	Experiment	What's Due
Aug. 26, 28	Orientation, Check in, Brief Expt. On Scientific Method and Conclusions	Lab Deposit, have safety glasses, get key
Sept. 2, 4	The Measurement of Mass and Volume: Density of Liquids and Solids	<i>Start of lab:</i> Density Prelab, TOA <i>Leave lab:</i> Density data sheets
Sept. 9, 11	The Separation of a Mixture	<i>Start of lab:</i> Separation Prelab, TOA Density lab report <i>Leave lab:</i> Separation data sheets
Sept. 16, 18	Percent Water in a Hydrate	<i>Start of lab:</i> : % Water Prelab, TOA Separation lab report <i>Leave lab:</i> % Water data sheets
Sept. 23, 25	Separation of the Mixture by Simple Distillation and Measurement of the Boiling Point of the Solvent (Part 1)	<i>Start of lab:</i> Distillation Prelab, TOA % Water lab report <i>Leave lab:</i> Distillation data sheets
Sept. 30 Oct. 2	The Synthesis of Potassium Aluminum Sulfate (Alum) From Aluminum Scrap	<i>Start of lab:</i> Alum Prelab, TOA Distillation lab report <i>Leave lab:</i> Alum data sheets
Oct. 7, 9	Freezing Point (F.P.), Density and IR of the Solvent (Part 2)	<i>Start of lab:</i> FP, Density Prelab, TOA Alum lab report <i>Leave lab:</i> FP, Density data sheets
Oct. 14, 16	The Nine Bottle Problem	<i>Start of lab:</i> Nine Bottle Prelab, TOA FP, Density lab report <i>Leave lab:</i> Nine Bottle lab report
Oct. 21, 23	Recrystallization and Melting Point (M.P.) Of The Solute (Part 3)	<i>Start of lab:</i> Recrystal, MP Prelab, TOA Nine Bottle Lab Question <i>Leave lab:</i> Recrystal, MP data sheets
Oct. 28, 30	Atomic Weight of a Metal	<i>Start of lab:</i> At. Weight Prelab, TOA Recrystal, MP lab report <i>Leave lab:</i> At. Weight data sheets
Nov. 4, 6	Molar Mass of the Solvent by Vapor Density (Dumas Method) (Part 4)	<i>Start of lab:</i> Molar Mass Prelab, TOA At. Weight lab report <i>Leave lab:</i> Molar Mass data sheets
Nov. 11, 13	Calorimetry , ΔH , and Hess' Law	<i>Start of lab:</i> Calorimetry Prelab, TOA Molar Mass lab report <i>Leave lab:</i> Calorimetry data sheets
Nov. 18, 20	Confirmatory Identification by Gas Chromatography (GC) and Infrared (IR) Spectroscopy (Part 5)	<i>Start of lab:</i> Calorimetry lab report <i>Leave lab:</i> GC, IR data sheets if any
Nov. 25, 27	THANKSGIVING – NO LAB	
Dec. 2, 4	Checkout	<i>Start of lab:</i> GC, IR lab report <i>Leave lab:</i> Turn in key, get deposit back

Note: The experiments as printed in the lab manual follow the order of this tentative laboratory schedule for the Fall 2008 semester.