

CHM1045L**GENERAL CHEMISTRY I LAB****TERM 20242****TUESDAYS & THURSDAYS****SESSION 2****Meets: January 9, 2024 – February 27th, 2024 in Building 57, Room 207**

<u>LAB</u>	<u>DATE</u>	<u>EXPERIMENT TITLE</u>
--	January 9 [TUESDAY]	Introduction, General Lab Safety, Check in.
Lab-1	January 11 [THURSDAY]	Measurements
Lab-2	January 16 [TUESDAY]	The Percentage of Water in a Hydrated Compound
Lab-3	January 18 [THURSDAY]	Identification of Unknowns Using Physical Properties { <i>Week 1- liquid Unknowns</i> }
Lab-3	January 23 [TUESDAY]	Identification of Unknowns Using Physical Properties { <i>Week 2 - Solid Unknowns</i> }
Lab-5	January 25 [THURSDAY]	Determining the Percent Yield of a Reaction (<i>Week 1</i>)
Lab-5 & Lab-6	January 30 [TUESDAY]	Determining the Percent Yield of a Reaction (<i>Week 2</i>) and Determining the Solubility of an Unknown Salt
Lab-7	February 1 [THURSDAY]	Determining the Concentration of Copper Ion in a Solution
--	<i>February 6 [TUESDAY]</i>	<i>EXAM 1{Practical}</i>
Lab-8	February 8 [THURSDAY]	Determining the Change in Enthalpy of a Reaction
Lab-10	February 13 [TUESDAY]	Charles' Law
Lab-11 & Lab-12	February 15 [THURSDAY]	Standardization of a Sodium Hydroxide Solution and Determination of Acid Content of Vinegar
Lab-13	February 20 [TUESDAY]	Observing and Classifying Chemical Changes
Lab-14	February 22 [THURSDAY]	Separation of Molecules Using Chromatography
--	<i>February 27 [TUESDAY]</i>	<i>EXAM 2 {Practical}</i>

Lab Manual: Jeanette Madea, Ph.D., and David C. Perdian, Ph.D., *CHM1045L: General Chemistry I Laboratory Manual*, Sixth Edition. Plymouth, MI: Hayden-McNeil, 2023.