

**General Chemistry Lab CHM 1045L***(Term 20221)***Term I Session 1 (Meeting on Wednesdays or Thursdays) South Campus**

**Lab Manual:** General Chemistry 1: Lab Manual by Lidia Berbeci, Ph.D. and Husam Abbasi. Broward College-South Campus 2<sup>nd</sup> Edition 2017.

LAB SCHEDULE  
CHM 1045L

DATE	SESSION #	EXPERIMENT TITLE	Exp. # / Page #s
August 18-19	1	Introduction, Laboratory Safety, and Equipment Check in	
August 25-26	2	Lab Procedures and Lab Techniques	pp. v-liv
September 1-2	3	Measuring Mass and Density (Lab Reports Exp. #1 due on Session 4)	Exp. #1/pp. 1-12
September 8-9	4	Physical and Chemical Properties (Lab Reports Exp. #2 due on Session 5)	Exp. #2 /pp. 13-28
September 15-16	5	Determining the Mass Percent of the Elements in Copper Chloride (Lab Report Exp. # 3 due on Session 6)	Exp. #3 /pp. 29-42
September 22-23	6	The Mole in Chemical Formula (Lab Reports Exp. #4 due on Session 7)	Exp. #4 /pp. 43-56
September 29-30	7	Preparation of Rochelle Salt: Synthesis of a compound and Stoichiometric Calculations (Lab Report Exp. #5 due on Session 9)	Exp. #5 /pp. 57-68
October 6-7	8	Quantitative Analysis of Vinegar via Titration (Lab Report Exp. #8 due on Session 9)	Exp. #8 /pp. 97-114
October 13-14	9	Atomic Weight of a Metal (Lab Report Exp. #6 due on Session 10)	Exp. #6 /pp. 69-80
October 20-21	10	Characterizing Elements (Lab Report Exp. #7 due on Session 11)	Exp. #7 /pp. 81-96
October 27-28	11	Determination of Aspirin by Spectrophotometric Analysis (Lab Report Exp. #9 due on Session 12)	Exp. #9 /pp. 115-128
November 3-4	12	Molecular Shapes (Lab Report Exp. # 10 due on Session 13)	Exp. #10 /pp. 129-137
November 10-11		No Lab Meetings	
November 17-18	13	Review	
November 24-25		Thanksgiving (No Lab Meetings)	
December 1-2	14	<b>FINAL PRACTICAL EXAM</b>	

**\*\*Important Dates:**

October 26 ..... Last day to withdraw or change to/from Audit.

November 24-28 ..... Thanksgiving (No Lab Meetings)

**STUDENTS ARE REQUIRED TO PURCHASE THE LAB MANUAL FOR THE FIRST MEETING.**