

**General Chemistry Lab CHM 1045L****(Term 20242)****Term II Session 1 (Meeting on Tuesdays or Thursdays) South Campus**

**Lab Manual:** General Chemistry 1: Laboratory Manual by Lidia Berbeci, Ph D., and Husam Abbasi. Broward College-South Campus 3<sup>rd</sup> Edition 2023.

LAB SCHEDULE  
CHM 1045L

DATE	SESSION #	EXPERIMENT TITLE	Exp. # / Page #s
January 9-11	1	Introduction, Laboratory Safety, and Equipment Check in	pp. v-vii
January 16-18	2	Lab Techniques, Glassware, Equipment, Data Collection, and Lab Report.	pp. viii-liv
January 23-25	3	Measuring Mass and Density. (Lab Reports Exp. #1 due on Session 4)	Exp. #1/pp. 1-12
Jan 30 - Feb.1	4	Physical and Chemical Properties (Lab Reports Exp. #2 due on Session 5)	Exp. #2 /pp. 13-28
February 6-8	5	The Mole in Chemical Formula. (Lab Reports Exp. #3 due on Session 6)	Exp. #3 /pp. 29-42
February 13-15	6	Preparation of Rochelle Salt: Synthesis of a compound and Stoichiometric Calculations. (Lab Report Exp. #4 due on Session 8)	Exp. #4 /pp. 43-54
February 20-22		No CHM1045L Meetings at BC South	
February 27-29	7	The Heat Capacity of Metals. (Lab Report Exp. #5 due on Session 8)	Exp. #5 /pp. 55-70
March 5-7		Spring break	
March 12-14	8	Enthalpy Changes in Chemical Reactions: Hess's Law (Lab Report Exp. #6 due on Session 9)	Exp. #6 /pp. 71-86
March 19-21	9	Atomic Weight of a Metal (Lab Report Exp. #7 due on Session 10)	Exp. #7 /pp. 87-98
March 26-28	10	Characterizing Elements (Lab Report Exp. #8 due on Session 11)	Exp. #8 /pp. 99-114
April 2-4	11	Quantitative Analysis of Vinegar via Titration (Lab Report Exp. #9 due on Session 12)	Exp. #9 /pp. 115-132
April 9-11	12	Molecular Shapes (Lab Report Exp. # 10 due on Session 13)	Exp. #10 /pp. 133-142
April 16-18	13	Review	
April 23-25	14	FINAL PRACTICAL EXAM	

**\*\*Important Dates**

March 4-10..... Spring Break (No Lab meetings.)

March 22 ..... Last day to withdraw or change to/from Audit.

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