

**General Chemistry Lab II CHM 1046L**  
**Term II Session 1 (Miramar West Center-MWC)**

*(Term 2024-2)*

**Text: Lab Manual:** General Chemistry II: Lab Manual by Lidia Berbeci, Ph D., and Husam Abbasi.  
Broward College-South Campus 4<sup>th</sup> Edition 2023.

**LAB SCHEDULE**  
**CHM 1046L**

DATE	Lab #	TITLE	Exp. # / Page #s
January 8	1	Introduction, Safety Contract, Laboratory Safety, Data collection and analysis, General Guidelines for Writing Lab Reports	Exp. 1-3/ pg. 1-38
January 22	2	Determination of Molar Mass by Freezing Point Depression (Lab Report Exp. # 4 due on Session # 3)	Exp. # 4/ pg. pg. 39-56
January 29	3	Determination of Aspirin by Spectrophotometric Analysis (Lab Report Exp. # 5 due on Session # 4)	Exp. #5/pg. pg. 57-70
February 5	4	The Rate of a Chemical Reaction: Chemical Kinetics (Lab Report Exp. # 6 due on Session # 5)	Exp. # 6/ pg. pg. 71-88
February 12	5	Spectrophotometric Determination of an Equilibrium Reaction (Lab Report Exp. # 7 due on Session # 6)	Exp. # 7/ pg. pg. 89-106
February 19	6	Some Examples of Chemical Equilibria: Le Chatelier's Principle (Lab Report Exp. # 8 due on Session # 7)	Exp. # 8/ pg. pg. 107-118
February 26	7	Determination of a Weak Acid's Ionization Constant by Titrimetry (Lab Report Exp. # 9 due on Session # 8)	Exp. #9/ pg. pg. 119-134
March 11	8	The Solubility Product Constant of Calcium Iodate, $\text{Ca}(\text{IO}_3)_2$ (Lab Report Exp. # 10 due on Session # 9)	Exp. # 10/ pg. 135-148
March 18	9	Electrolysis and Avogadro's Number (Lab Report Exp. # 11 due on Session # 10)	Exp. # 11/ pg. 149-160
March 25	10	Electrochemical Cells (Lab Report Exp. # 12 due on Session # 11)	Exp. # 12/ pg. 161-176
April 1	11	Determination of Calcium in Antacid (Lab Report Exp. # 13 due on Session # 12)	Exp. # 13/ pg. 177-188
April 8	12	Equilibria of Coordination Compounds (Lab Report Exp. # 14 due on Session # 13)	Exp. # 14/ pg. 189-202
April 15	13	Review	
April 22	14	<b>FINAL EXAM (All Experiments)</b>	

**\*\*Important dates:**

January 15- No class- Martin Luther King, Jr. Day

March 4-10- No class- Spring Break

March 22- Last Day to Withdraw or change to/from Audit.

**\*\*Register and make a one on one or group review appointment with a tutor via**

**WOnline:** [www.myWCO.com/ascsouth](http://www.myWCO.com/ascsouth)

**Lab website:** <https://sites.broward.edu/science-wellness-miramar/>