

**General Chemistry Lab II CHM 1046L***(Term 20221)***Term I Session 4 (Meeting on Mondays and Wednesdays) South Campus**

**Text: Lab Manual:** General Chemistry II: Lab Manual by Lidia Berbeci, Ph D., and Husam Abbasi.  
Broward College-South Campus 3<sup>rd</sup> Edition 2018.

**LAB SCHEDULE  
CHM 1046L**

DATE	Session #	TITLE	Exp. # / Page #s
October 18 (M)	1	Introduction, Safety Contract, Laboratory Safety, Data collection and analysis, General Guidelines for Writing Lab Reports	Exp. 1-3/ pp. 1-38
October 20 (W)	2	The Molar Mass of a Soluble Substance by Freezing-Point Depression (Lab Report Exp. # 4 due on Session # 3)	Exp # 4/ p.p. 39-56
October 25 (M)	3	Enthalpy Changes in Chemical Reactions: Hess's Law (Lab Report Exp. 5 due on Session # 4)	Exp #5/pp. 57-72
October 27 (W)	4	The Heat Capacity of Metals (Lab Report Exp. # 6 due on Session # 5)	Exp # 6/ p.p. 73-88
November 1 (M)	5	The Rate of a Chemical Reaction: Chemical Kinetics (Lab Report Exp. # 7 due on Session # 6)	Exp # 7/ p.p. 89-106
November 3 (W)	6	Spectrophotometric Study of an Equilibrium Reaction (Lab Report Exp. # 8 due on Session # 7)	Exp # 8/ p.p. 107-124
November 8 (M)	7	Some Examples of Chemical Equilibria: Le Chatelier's Principle (Lab Report Exp. # 9 due on Session # 8)	Exp #9/ p.p. 125-136
November 10 (W)	8	Determination of a Weak Acid's Ionization Constant by Titrimetry (Lab Report Exp. # 10 due on Session # 9)	Exp # 10/ p.p. 137-152
November 15 (M)	9	The Solubility Product Constant of Calcium Iodate, $\text{Ca}(\text{IO}_3)_2$ (Lab Report Exp. # 11 due on Session # 10)	Exp # 11/ p.p. 153-166
November 17 (W)	10	Redox Titrations: The Oxidizing Capacity of a Household Cleanser or Liquid Bleach (Lab Report Exp. # 12 due on Session # 11)	Exp # 12/ p.p. 167-178
November 22 (M)	11	Electrochemical Chemistry (Lab Report Exp. # 13 due on Session # 12)	Exp # 13/ p.p. 179-194
November 24 (W)		<b>No Labs (Thanksgiving)</b>	
November 29 (M)	12	Determination of calcium in Antacid (Lab Report Exp. # 14 due on Session # 13)	Exp#14/p.p. 195-206
December 1 (W)	13	Review	
December 6 (M)	14	<b>FINAL PRACTICAL EXAM</b>	

**\*\*Important date:**

November 19..... Last day to withdraw or change to/from Audit.

November 24-28 ..... Thanksgiving