

**General Chemistry Lab II CHM 1046L** (Term 20221)  
**Term I Session 1 (Meeting on Tuesdays On-line) 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
August 24	1	Introduction, Laboratory Safety, Data collection and analysis, General Guidelines for Writing Lab Reports	Exp. 1-3/ pp. 1-38
August 31	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
September 7		No CHM1046L meetings	
September 14	3	Enthalpy Changes in Chemical Reactions: Hess's Law (Lab Report Exp. 5 due on Session # 4)	Exp #5/pp. 57-72
September 21	4	The Heat Capacity of Metals (Lab Report Exp. # 6 due on Session # 5)	Exp # 6/ p.p. 73-88
September 28	5	The Rate of a Chemical Reaction: Chemical Kinetics (Lab Report Exp. # 7 due on Session # 6)	Exp # 7/ p.p. 89-106
October 5	6	Spectrophotometric Study of an Equilibrium Reaction (Lab Report Exp. # 8 due on Session # 7)	Exp # 8/ p.p. 107-124
October 12	7	Some Examples of Chemical Equilibria: Le Chatelier's Principle (Lab Report Exp. # 9 due on Session # 8)	Exp #9/ p.p. 125-136
October 19	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
October 26	9	The Solubility Product Constant of Calcium Iodate, Ca(IO <sub>3</sub> ) <sub>2</sub> (Lab Report Exp. # 11 due on Session # 10)	Exp # 11/ p.p. 153-166
November 2	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 9	11	Electrochemical Chemistry (Lab Report Exp. # 13 due on Session # 12)	Exp # 13/ p.p. 179-194
November 16	12	Determination of calcium in Antacid (Lab Report Exp. # 14 due on Session # 13)	Exp#14/p.p. 195-206
November 23	13	Review	
November 30	14	<b>FINAL EXAM</b>	

**\*\*Important date:**

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