**General Chemistry Lab II CHM 1046L *(Term 20242)***

#### Term I Session 4 (Meeting on Mondays and Wednesdays) South Campus

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

### LAB SCHEDULE

**CHM 1046L**

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| DATE | Session # | **TITLE** | Exp. # / Page #s |
| March 18 (M) | 1 | Introduction, Safety Contract, Laboratory Safety, Data collection and analysis, General Guidelines for Writing Lab Reports | Exp. 1-3/  pp. 1-38 |
| March 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 |
| March 25 (M) | 3 | Determination of Aspirin by Spectrophotometric Analysis (Lab Report Exp. #5 due on Session # 4) | Exp #5/pp. 57-70 |
| March 27 (W) | 4 | The Rate of a Chemical Reaction: Chemical Kinetics (Lab Report Exp. # 6 due on Session # 5) | Exp # 6/ p.p. 71-88 |
| April 1 (M) | 5 | Spectrophotometric Determination of an Equilibrium Constant (Lab Report Exp. # 7 due on Session # 6) | Exp # 7/ p.p. 89-106 |
| April 3 (W) | 6 | Some Examples of Chemical Equilibria:  Le Chatelier’s Principle (Lab Report Exp. # 8 due on Session # 7) | Exp # 8/ p.p. 107-118 |
| April 8 (M) | **7** | Determination of a Weak Acid’s Ionization Constant by Titrimetry (Lab Report Exp. # 9 due on Session # 8) | Exp #9/ p.p. 119-134 |
| April 10 (W) | 8 | The Solubility Product Constant of Calcium Iodate, Ca(IO3)2 (Lab Report Exp. # 10 due on Session # 9) | Exp # 10/ p.p. 135-148 |
| April 15 (M) | 9 | Electrolysis and Avogadro’s number  (Lab Report Exp. # 11 due on Session # 10) | Exp # 11/ p.p. 149-160 |
| April 17 (W) | 10 | Electrochemical Cells  (Lab Report Exp. # 12 due on Session # 11) | Exp # 12/ p.p. 161-176 |
| April 22 (M) | 11 | Determination of calcium in Antacid  (Lab Report Exp. # 13 due on Session # 12) | Exp # 13/ p.p. 177-188 |
| April 24 (M) | 12 | Equilibria of Coordination Compounds  (Lab Report Exp. # 14 due on Session # 13) | Exp#14/p.p. 189-202 |
| April 29 (W) | 13 | Review |  |
| May 1 (M) | **14** | **FINAL PRACTICAL EXAM** | |

**\*\*Important date:**

April 16...……………………….………...... Last day to withdraw or change to/from Audit.