FORDHAM UNIVERSITY
DEPARTMENT OF CHEMISTRY
LABORATORY SCHEDULE-SUMMER
CHEM 1331 General Chemistry LAB I - Dr. M. Shoja

COURSE DESCRIPTION: (4-hour laboratory) A series of experiments selected to illustrate the topics covered in CHEM 1321. Lab Fee (2 Credits)

EXPERIMENTS

Experiment 1A & 1B – Basic Laboratory Techniques & Identification of Substances
By Physical Properties – Check In & Safety Film

Experiment 2 – Separation of the Components of a Mixture

Experiment 3 – Chemicals in Everyday Life: What Are They & How Do We Know

Experiment 4 – Chemical Reactions

Experiment 5 – Reactions in Aqueous Solutions: Metathesis Reactions and Net Ionic Equations

First Exam

Experiment 6 – Activity Series

Experiment 7 – Chemical Reactions of Copper and Percent Yield

Experiment 8 – Behavior of Gases: Molar Mass of a Vapor

Second Exam

Experiment 9 – Determination of R: The Gas-Law Constant

Experiment 10 – Gravimetric Analysis of a Chloride Salt

Experiment 11 – Heat of Neutralization

Third Exam

Final Exam

FINAL GRADE: LAB REPORTS 40% - 3 EXAMS 30% - FINAL EXAM 30%

TEXT: General Chemistry I & II Laboratories; Prentice Hall, 2013