CHEMISTRY 212 - LABORATORY SCHEDULE
Fall 2017

TEXT/MATERIALS: Laboratory worksheets and POGIL handouts are available on the Blackboard website. Lab manual: *CHEM 212*, Fountainhead Press (2017); ISBN 978-1-68036-497-2.

REQUIRED EYE PROTECTION: Students must wear the approved goggles issued by the department ***at all times in the laboratory—NO EXCEPTIONS***.

Week of:	**EXPERIMENT**
1. Aug. 28th	**CHECK-IN / SAFETY ORIENTATION** : Safety in the Laboratory; Glassware & Equipment/Data Representation and Recording
2. Sept. 4th	**LABOR DAY (Holiday – no lab meetings for the week.)**
3. Sept. 11th	Separation and Recovery of Components in a Ternary Mixture
4. Sept. 18th	The Bohr Model and Spectroscopy of the Hydrogen Atom
5. Sept. 25th	Periodic Properties of Some Elements
6. Oct. 2nd	Lewis Structures and Molecular Shape
7. Oct. 9rd	Determining the Empirical Formula of Magnesium Oxide
8. Oct. 16th	**LAB MIDTERM EXAM**
9. Oct. 23rd	Stoichiometry - A Mole Ratio Study
10. Oct. 30th	Classifying Chemical Reactions
11. Nov. 6th	Redox Chemistry - Activity of Metals
12. Nov. 13th	Calorimetry and Hess's Law
13. Nov. 20th	**THANKSGIVING BREAK**
14. Nov. 27th	Determination of the Universal Gas Constant, R / **CHECK OUT**
15. Dec. 4th	**LAB FINAL EXAM**

***FAILURE TO CHECK OUT MAY RESULT IN A FAILING GRADE FOR THE ENTIRE SEMESTER**.

Grading: The overall lab grade is a weighted average, and is calculated using the formula below:

(Lab average x 0.70) + (Midterm Exam x 0.15) + (Final Exam x 0.15) = lab grade

Letter grades are assigned based on the overall lab grade compared to the following cutoffs:

90% = A; 80% = B; 70% = C; 60% = D; <60% = F