

CHEMISTRY 111
LABORATORY SCHEDULE
Spring 2011

TEXTBOOKS: Laboratory worksheets and POGIL handouts are available on the Blackboard website.
Lab manual: *CHEM 111*, Hayden McNeil (2010); ISBN 978-0-7380-4003-5.

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. Jan. 17 th	NO LAB MEETINGS (MLK Holiday on Monday, Jan. 17th)
2. Jan. 24 th	CHECK-IN / SAFETY ORIENTATION: Safety in the Laboratory; Glassware & Equipment/Data Representation and Recording
3. Jan. 31 st	Significant Figures and Measurement of Density
4. Feb. 7 th	Paper Chromatography: Separation of Inks in Pens
5. Feb. 14 th	Classifying of Solid Substances
6. Feb. 21 st	Molecular Models
7. Feb. 28 th	Water of Hydration
8. March 7 th	LAB MIDTERM EXAM
9. March 14 th	Spring Break
10. March 21 st	Law of Multiple Proportions
11. March 28 th	A Series of Copper Reactions
12. April 4 th	Gravimetric Determination of Sulfate
13. April 11 th	Titration of Vinegar
14. April 18 th	Measurement of pH of Solutions / CHECK OUT
15. April 25 th	LAB FINAL EXAM
16. May 2 nd	No Labs!

***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:

$$(\text{Lab average} \times 0.70) + (\text{Midterm Exam} \times 0.15) + (\text{Final Exam} \times 0.15) = \text{lab grade}$$

The weighted average is used to assign grades based on the distributions indicated below:

$$> 90\% = \text{A}; \quad > 80\% = \text{B}; \quad > 70\% = \text{C}; \quad > 60\% = \text{D}; \quad < 60\% = \text{F}$$