

**CHEMISTRY 111 - LABORATORY SCHEDULE**  
**Fall 2010**

**TEXT/MATERIALS:** 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**.

<b>Week of:</b>	<b>EXPERIMENT</b>
1. Aug. 23 <sup>rd</sup>	<b>CHECK-IN / SAFETY ORIENTATION</b> : Safety in the Laboratory; Glassware & Equipment/Data Representation and Recording
2. Aug. 30 <sup>th</sup>	Significant Figures and Measurement of Density
3. Sept. 6 <sup>th</sup>	<b>LABOR DAY (Sept. 6<sup>th</sup>) – NO LABS</b>
4. Sept. 13 <sup>th</sup>	Paper Chromatography: Separation of Inks in Pens
5. Sept. 20 <sup>th</sup>	Classification of Solid Substances
6. Sept. 27 <sup>th</sup>	Molecular Models
7. Oct. 4 <sup>th</sup>	Water of Hydration
8. Oct. 11 <sup>th</sup>	<b>LAB MIDTERM EXAM</b>
9. Oct. 18 <sup>th</sup>	Law of Multiple Proportions
10. Oct. 25 <sup>th</sup>	A Series of Copper Reactions
11. Nov. 1 <sup>st</sup>	Gravimetric Determination of Sulfate
12. Nov. 8 <sup>th</sup>	Titration of Vinegar
13. Nov. 17 <sup>th</sup>	Measurement of pH of Solutions / <b>CHECK OUT</b>
14. Nov. 22 <sup>nd</sup>	<b>THANKSGIVING (Nov. 25<sup>th</sup>) – NO LABS</b>
15. Nov. 30 <sup>th</sup>	<b>LAB FINAL EXAM</b>

**\*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:

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

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

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