

**Ms. Thuy Nguyen**  
Room E-3019  
Chemistry & Physics Suite  
Science Building  
(706) 737 - 1541  
[tnguyen@aug.edu](mailto:tnguyen@aug.edu)

CHEMISTRY 1212  
LABORATORY SCHEDULE  
SUMMER 2008

**Office Hours:**  
8:30-11:30 a.m. W & F  
or by appointment

May 15	Check in Freezing and Melting of Water
May 16	Evaporation and Intermolecular Forces
May 22	Conductivity of Solutions: The Effect of Concentration Using Freezing Point Depression to Find Molecular Weight
May 23	Determining the Concentration of a Solution: Beer's Law
May 29	Rate Law Determination of the Crystal Violet Reaction Chemical Equilibrium: Finding a Constant $K_c$
May 30	NaOH Standardization
June 5	Titration of a Diprotic Acid: Identifying an Unknown Acid Dissociation Constant, $K_a$
June 6	Heat of Combustion: Magnesium
June 12	Qualitative Analysis
June 13	Establishing a Table of Reduction Potentials: Micro-Voltaic Cells Check out.

Required Lab materials: Online Lab Materials  
Non-programmable scientific calculator  
Approved Safety Glasses

**Attendance:** You are expected to attend all lab sessions and to be on time. A short quiz will be given at the beginning of lab. If you arrive late and miss the prelab lecture, you will not be allowed to attend that lab (receiving a zero for that experiment.) Prior to admission to each lab, you must have a copy of the assigned experiment before you are allowed to perform the experiment. Furthermore, you should read the assigned experiment in order to understand the concept and purpose of the experiment. Occasionally, for practical reasons, students may perform the experimental part of the laboratory in pairs/group. However, each student must work individually and submit his/her own lab report. Regardless of circumstances, there will be **NO make-up lab**; if you miss a lab, this will count as a zero (becoming one of the dropped labs).

**Grading:** The quiz is worth 10 points and the lab report 90 points. Thus, each experiment is graded out of 100 points. The two lowest lab grades will be dropped in calculating the lab average.

**Breakage/Drawer key:** Glassware and lab equipments are in good condition at check in time. Any breakage done during an experiment and any missing item must be paid for. If you do not pay for your breakage and turn in the drawer key, a hold will be placed on your ability to register for the next semester. In other words, you would not get the courses for which you preregister. This hold applies to students who drop the course and fail to check their lab drawer out, as well as those who complete the course.

**Safety:** Students are advised not to wear contacts. If you do, however, check with your eye doctor in the event of any irritation. It is never advisable to wear soft, long-wear lenses in the laboratory. No matter what else you wear, safety goggles/glasses must be worn at all times. Open-toed shoes are not acceptable, food and beverages are not permitted. Appropriate clothing must be worn; for example, sleeveless shirts, neckties, and dangling jewelry are not allowed. Hazardous chemical materials should be disposed in a proper waste container. A chemistry laboratory is potentially dangerous. Therefore, proper precautions should be taken and safety followed. For any violation of these basic safety rules, you will be dismissed from the lab and receive a zero for that experiment.