

General Chemistry II LAB - CHEM 1201 B

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Lecturer: Dr. Nick Thomas
Phone: (334) 244-3327

Office: Room 310-I, Goodwyn Hall
E-mail: nthomas@aum.edu

Text: *A Laboratory Manual for General Chemistry II*, by Arnold, Mahaffy, Rawlings, Richardson, and Thomas. Safety goggles must be obtained by the student. Goggles must be worn at all time during lab. Failure to do so will result in points being deducted from lab grade. It's a good idea to keep goggles in your bag or car so they are always on campus with you. Experiments are listed on the class timetable.

Website: www.getnickt.com site contains prelab information for each experiment and **MUST** be read before coming to lab each day (the instructor does not use the Blackboard website)

Course Objectives: The laboratory component of the course is designed to provide students with the opportunity to learn basic laboratory skills.

Course Outline: There will be 10 lab experiments for students to perform. Students will work in groups of TWO, but each student will record his or her own data, and **write up reports individually**. Lab write up instructions are on the instructor's web site. Students will swap lab partners EACH week.

Grading: The laboratory grade will be based on the average grade of 9 written laboratory reports (the lowest of 10 being dropped). If a lab is missed FOR ANY REASON, it will automatically be the dropped lab. It will not be possible to make up any other missed labs, and a grade of zero will be given for other missed labs. **Completed lab reports will be due at the beginning of the following lab period.** Staple pages together and place report in folders provided on the front desk of the lab. Late labs will lose 1 point per day, no exceptions. Once graded labs are returned, no late labs will be accepted. Lab reports are to be hand-written *neatly* in ink and **NOT** using a computer/word-processor, or they will be returned ungraded.

Each student needs to purchase a copy of the lab manual.

Failure to hand in one or more labs will significantly affect your overall course grade. Retain your graded labs until the end of the semester.

Be sure to show all steps in calculations for full credit and give answers to the correct number of significant figures. Remember, you collect and share the data with your lab partner, but each person must write and submit his or her own report.

Overall course grades will be based on the following scale:

A = 90-100%; B = 80-89%; C = 65-79%; D = 50-64%; F < 50%

Attendance: Lab begins the THIRD week of the semester and promptly on Mondays at 7:40 pm in room 305, Goodwyn Hall. Students have an obligation to attend laboratory sessions ON TIME or they will not be permitted in the lab.

Registration: All students must officially register for the course. Contact the registrar's office if you have any doubts concerning your registration status.

Withdrawal: If you withdraw from this class during the semester, our department requires that you must also withdraw from CHEM 1200.

Special Needs: AUM attempts to make reasonable accommodations to meet the special needs of its disabled students. Contact the instructor early in the semester if you require special assistance.

Assistance: Office hours will be posted on the instructor's office door. Additional appointments may be made with the instructor.

Learning Outcomes: After completion of this course, students will be able to analyze:

1. Methods to safely conduct basic chemical experiments in a modern laboratory
2. The handling and use of routine laboratory equipment, glassware and chemicals
3. Techniques for making accurate chemical measurements