

General Chemistry I LAB Syllabus - Spring, 2017  
CHEM 1101 B

**Lecturer:** Dr. Nick Thomas

**Office:** Room 310-I, Goodwyn Hall

**Phone:** (334) 244-3327

**E-mail:** nthomas@aum.edu

**Course Description:** CHEM 1101, General Chemistry I, Laboratory (1). Coreq., CHEM 1100. Experiments to accompany lecture topics in CHEM 1100.

**Web site:** www.getnickt.com site contains prelab information for each experiment and **MUST** be read before coming to lab each day.

**Text:** *A Laboratory Manual for General Chemistry I, by Arnold, Mahaffy, Rawlings, Richardson, and Thomas.* Safety goggles must be obtained by the student. A list of experiments can be found on the course timetable.

**Course Objectives:** The laboratory component of the course is designed to provide students with the opportunity to learn basic laboratory skills. Lab meets for the first time during week 3.

**Grading:** The laboratory grade will be based on the average grade of 10 written laboratory reports (the lowest of 11 being dropped). Each lab is graded out of 10. 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 the following lab class. 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. Lab reports are to be written neatly, or they will be returned ungraded.

Students will work in groups of TWO, but each student will record his or her own data, and write up reports individually. Students will change lab partners EVERY WEEK.

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. Lab write up instructions are on the instructor's web site.

**Important:** If you miss a lab you CANNOT get results from someone else and submit a report. You must complete a lab yourself to get credit. Also, once graded labs are returned to the class, late labs will NOT be accepted.

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 at 2:10 pm (period 5) on Thursdays in room 306G. Students have an obligation to attend laboratory sessions ON TIME. Late arrivals will not be permitted to take the lab.

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

**Special Needs:** Students who require special attention should contact AUM's Center for Disability Services. *AUM attempts to make reasonable accommodations to meet the special needs of its disabled students.*

**Assistance:** Office hours will be posted on the instructor's office door. Additional appointments may be made with the instructor. The Instructional Support Lab (203G) can provide tutoring.

**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*