General Chemistry II-Lab

CHEM 1201A

Spring --- 2018

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►**Lab Class Days:** Mondays
►**Lab Times:** Starting 12:45 pm (period 4)
►**First Lab Class Day:** Monday, Jan 22 Room 305 Goodwyn Hall

Web site

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 Description

CHEM 1201, General Chemistry II, Laboratory (1). Coreq., CHEM 1200. Experiments to accompany lecture topics in CHEM 1200.

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.

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 week 3.

Registration

All students must be officially registered. Contact the registrar's office if you have any doubts concerning your registration status.

Attendance

Students have an obligation to attend all lectures and to be ON TIME. Labs will begin promptly at 12:45 pm (period 4) on Mondays in room 305 Goodwyn Hall.

Note: 1. Unless you have a pending emergency please switch off cellphone ringers in class as they are very distracting to all.

2. No cell phone or earphones may be used during exams; only non-programmable calculators

Assistance

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

Special Needs

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

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%

Withdrawal

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

Learning Outcomes

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.