

MONTGOMERY COLLEGE
Department of Chemistry

Prof.

Office:

Office phone:

E-mail

Fall 2018

RCHEM 109L: CHEMISTRY AND SOCIETY LABORATORY

Course Objectives:

Laboratory work that deals with experiments that illustrate the significance of chemistry in our society. The experiments reinforce the principles discussed in CHEM109A. The students gain familiarity with general chemistry laboratory equipment and techniques.

CHEM 109L fulfills the General Education Program- Natural Sciences Distribution with Laboratory requirement, if CHEM109L is taken with **CHEM109**. Montgomery College's General Education Program is designed to ensure that students have the skills, knowledge and attitudes to carry them successfully through their work and personal lives. This course provides multiple opportunities to develop two or more of the following competencies: written and oral communication, scientific and quantitative reasoning, critical analysis and reasoning, technological competency, and information literacy. For more information, please see www.montgomerycollege.edu/gened

Pre- or Corequisite: CHEM 109. Students (non-science majors) who need a lab –science course in their program may register for this lab concurrently with chem. 109 or within one year of completing chem. 109.

Course materials:

Lab safety goggles (when buying please ask for chemistry lab goggles and not just any general goggle)

The above material can be found in the college's bookstore.

Pre-Lab Preparation involves reading the assigned experiment or the activity and be ready to discuss it in the lab. Occasionally, short quizzes will be administered at the beginning of the lab

sessions or they will be administered online via the course site Blackboard. Please check Blackboard daily.

Regular attendance is a **necessity**. There are **No Make-up** sessions. The major part of the evaluation in this lab comes from regular attendance, proper work and completion of the experiment successfully along with answering the post lab questions accurately.

Please note that points will be deducted for absences.

Please follow the sequence of the experiments per week outlined below to find out the correct experiment for that week and bring a hardcopy with you to the lab.

Grading Policy:

Weekly Lab reports will be graded.

Cleanliness of the work area and abiding by the safety rules, mainly wearing goggles at all times is essential. Points will be deducted from the overall grade, for lack of following the safety rules in the lab during the semester.

Please come to lab **on Time**. Late arrivals will lead to **grade penalties**.

The letter grades will be as follows:

A = 90% or higher

B= 80%-89%

C= 70%-79%

D= 60%-69%

You are encouraged to come during my office hours for help; otherwise if your schedule conflicts with my office hours, then you can make an appointment to see me at other times. My office hours will be posted on Blackboard and on my door- SC 331J.

Students are expected to abide by the rules outlined in the student code of conduct in the student's handbook. All students, including students with a disability, are expected to comply with the Code of Conduct as it appears in the MC Student Insider's Guide on the web at:

www.montgomerycollege.edu/FYE

All work in the lab must stop 15 minutes before the end of the lab period. Enough time should be allowed for clean-up after each experiment.

Any student who may need an accommodation due to a disability, please make an appointment to see me during my office hour. In order to receive accommodations, a letter from Disability Support Services(R-CB122; G-SA175; or TP/SS-ST120) will be needed. Any student who may need assistance in the event of an emergency evacuation must identify to the Disability Support Services Office; guidelines for emergency evacuations are at:
www.montgomerycollege.edu/dss/evacprocedures.htm.

If you are a veteran or on active or reserve status and you are interested in information regarding opportunities, programs and/or services, please visit the Combat2College website at www.montgomerycollege.edu/combat2college/ and/or contact Joanna Starling 240-567-7103/SV103 or Joanna.starling@montgomerycollege.edu

If a student stops attending the lab and does not withdraw officially, will receive “F” at the end of the semester

Note that Chem. 109 Lab ends a week before the lecture does; hence the final test for the lab is during the week just **before** the lecture final exams.

Use of cell phones during lab hours is highly disruptive and not allowed. In case the cell phone is a necessity due to an emergency, then it is expected of the student to have the phone on vibrate or sounds off mode. Phone conversations should be carried out outside the lab.

This is a very fun course. Enjoy the lab and have a safe and a successful semester!