

Essentials of General Chemistry Laboratory

CHE 115 – Spring 2019



Instructor: Prof. Melissa Deri

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Office Hours: Wednesday 10-11 am in Davis 326 or Davis 319

Course Description: Introduction to the basic principles of chemistry using a puzzle solving inquiry based approach to laboratory experimentation.

Academic or Learning Objectives: After completing this lab, students should be able to:

- use information provided in a puzzle to design a scientific experiment that addresses a specific scientific problem.
- to make precise and accurate measurements using physical and chemical equipment and instruments.
- use measured data and theoretical concepts to solve problems.
- understand the principles that govern chemical transformations in chemical reactions.

Course Grading:

Your overall letter grade will be based on the total number of points you earn in the laboratory components of the course. This includes attendance, a safety quiz, 11 experiments and a poster presentation. The total number of points that can be earned in this course is **750**. There are **800** total points available, but only 750 points will be used to determine your final grade. This means that the lowest report grade will be dropped for every student. The total points out of 750 will be converted to a percentage (out of 100%) and scaled according to the Lehman College Grading system.

Graded element	Notebook Points	Post-Lab points	TOTAL
Attendance (5 pts per lab meeting)	-	-	60
Safety Quiz	-	-	40
Experiment 1	25	25	50
Experiment 2	25	25	50
Experiment 3	20	30	50
Experiment 4	20	30	50
Experiment 5 – Part 1	38	32	100
– Part 2	30		
Experiment 6	30	20	50
Experiment 7	35	15	50
Experiment 8	30	20	50
Experiment 9	27	23	50
Experiment 10	30	20	50
Experiment 11	30	20	50
Scientific Presentation/Poster	-	-	100
Lowest Experiment grade is dropped			-50
TOTAL			750

Attendance Policy:

Attendance for each laboratory experiment is mandatory. You will be allowed one excused absence for the semester. Any subsequent absences will result in a grade of zero for that experiment. Please note that you **MUST** be on time for every lab period. If you are more than 15 minutes late for lab you will miss important safety information and may thus not be allowed to complete the experiment. This will count as your one excused absence for the semester and must be arranged with your instructor.

No make-up laboratories will be given. This is in accordance with the chemistry department's policy.

Accommodating Disabilities:

Lehman College is committed to providing access to all programs and curricula to all students. Students with disabilities who may need classroom accommodations are encouraged to register with the Office of Student Disability Services. For more information, please contact the Office of Student Disability Services, Shuster Hall, Room 238, phone number, 718-960-8441.

The Science Learning Center (SLC):

The Science Learning Center (SLC) is the tutoring center on campus. The SLC provides drop-in tutoring for natural and computer science courses. To obtain more information about the SLC, please visit their website at <http://www.lehman.edu/issp>, or please call the ACE at 718-960-8175,

Classroom Policy:

- **Food policy:** **FOOD** and **DRINKS** are **STRICTLY PROHIBITED** in the chemistry laboratory.
 - **Electronic devices Policy:** No electronic devices can be used or kept accessible during lab quizzes; this includes, but is not limited to i-Phones, smart watches, google glasses, cell-phones (any type), beepers, iPods, MP3 players, tape-recorders, PDAs, and other computing or music devices. Only **basic scientific** calculators will be allowed. **Graphing Calculators are not acceptable.**
 - **Required Equipment (to be provided by the student):** padlock; detergent; paper towels; matches.
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SAFETY GLASSES MUST BE WORN AT ALL TIMES IN LABORATORY! Students without SAFETY GLASSES will be not allowed to work in the laboratory.

Academic Integrity:

See the Lehman Undergraduate Bulletin.
