

CHEM 151L : Elementary Survey of Chemistry Lab

Credits: 1

Class Hours: 3 lab

Prerequisites: "C" or higher in MATH 75X or MATH 82X.

Corequisite Courses:

CHEM 151

Description: In this course, students are introduced to the illustration and practice of laboratory techniques as well as application of the chemical principles presented in CHEM 151.

Semester Offered: Fall, Spring

Designation:

Diversification: Lab (Science) – DY

Course Student Learning Outcomes (CSLOs):

1. Demonstrate various quantitative and mathematical methods used in chemistry such as dimensional analysis, graphic analysis, statistical analysis and molar stoichiometry.
2. Demonstrate basic chemical laboratory practices.
3. Demonstrate critical thinking skills and processes such as observation, classification, prediction, inference, measurement, making operational definitions, hypothesizing, experimentation, modeling, theorizing and evaluation.
4. Demonstrate scientific writing and computational skills.
5. Demonstrate laboratory safety practices and access to MSDS.