

CHEM 161L : General Chemistry Lab I

Credits: 1

Class Hours: 3 lab

Corequisite Courses:

CHEM 161

Description: This course is an introduction to chemical principles and procedures in the laboratory.

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 followed in experiments involving precipitation, acid-based, and redox reactions.
3. Apply critical thinking skills and processes such as observation, classification, prediction, inference, measurement, making operational definitions, hypothesizing, experimentation, modeling, theorization and evaluation to perform labs using micro-computers.
4. Demonstrate scientific writing and computational skills.
5. Demonstrate laboratory safety practices and how to access to Material Safety Data Sheets (MSDS).