

CH 228Z : GENERAL CHEMISTRY II LABORATORY

Transcript title

General Chemistry II Lab

Credits

1

Grading mode

Standard letter grades

Total contact hours

30

Lab hours

30

Prerequisites

CH 221Z and CH 227Z.

Corequisites

CH 222Z.

Course Description

Experiments correspond to the topics covered in CH 222Z including the fundamentals of intermolecular interactions, stoichiometric relationships, chemical equilibria and their application to the synthesis, identification, and analysis of chemical compounds. CH 228Z is the laboratory component; CH 222Z is the lecture course.

Course learning outcomes

1. Follow standard safety procedures while working with chemicals and equipment in a laboratory setting.
2. Keep an accurate and detailed laboratory record.
3. Measure, calculate, and report data and results using proper units and appropriate measures of uncertainty.
4. Analyze experimental results qualitatively and quantitatively with measures of accuracy and precision.
5. Interpret and communicate the results of experiments applying chemical concepts in CH 222Z in a clear and concise manner.
6. Investigate chemical concepts in CH 222Z qualitatively and quantitatively using scientific methods.

General education/Related instruction lists

- Science Lab