

CH 227Z : GENERAL CHEMISTRY I LABORATORY

Transcript title

General Chemistry I Lab

Credits

1

Grading mode

Standard letter grades

Total contact hours

30

Lab hours

30

Prerequisites

MTH 111Z or MTH 112Z, or MTH 251Z (or higher) or minimum placement Math Level 20.

Corequisites

CH 221Z.

Course Description

Experiments correspond to the topics covered in CH 221Z including the fundamentals of chemical measurements, quantitative relationships in chemical analysis, and understanding atomic and molecular structure. CH 227Z is the laboratory component; CH 221Z 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 221Z in a clear and concise manner.
6. Investigate chemical concepts in CH 221Z qualitatively and quantitatively using scientific methods.

General education/Related instruction lists

- Science Lab