

# CH 229Z : GENERAL CHEMISTRY III LABORATORY

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## Transcript title

General Chemistry III Lab

## Credits

1

## Grading mode

Standard letter grades

## Total contact hours

30

## Lab hours

30

## Prerequisites

CH 222Z and CH 228Z.

## Corequisites

CH 223Z.

## Course Description

Experiments correspond to the topics covered in CH 223Z including the principles of chemical equilibria and their application to chemical analysis using volumetric and electrochemical methods. CH 229Z is the laboratory component; CH 223Z 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 223Z in a clear and concise manner.
6. Investigate chemical concepts in CH 223Z qualitatively and quantitatively using scientific methods.

## General education/Related instruction lists

- Science Lab