

CHM 224 : Quantitative Analysis

Exploration of the physical principles of analytical chemistry that further develop the classical (non- instrumental) methods of chemical analyses. Course consists of lecture on possibly a few hands-on experiences, if any. Topics include basic data handling, statistics, error propagation, acids and bases, redox chemistry, and chemical equilibrium as they apply to the methods to be treated in the laboratory setting using case studies. Students will examine applications of volumetric analysis, redox titrimetry, potentiometry, and gravimetry and complete qualitative analysis.

Credits 2

Prerequisites

CHM 120