

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 both lecture and laboratory components. 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. Students will examine volumetric analysis, redox titrimetry, potentiometry, and gravimetry in laboratory components and complete qualitative analysis.

Credits: 4

Prerequisites: CHM 120