CHEM 220 General Chemistry II

CHEM 220 GENERAL CHEMISTRY II

This course is the continuation of CHEM 210 and is intended for students pursuing majors in physical sciences, biological sciences and engineering. The topics discussed include properties of solutions, kinetics, equilibrium, acid-base equilibria, thermodynamics, spontaneity, electrochemistry, nuclear reactions, and the chemistry of complex ions. The laboratory program extends the use of spreadsheet, graphical analysis and computer interfaced experimentation in acid-base titrations, rates of reactions, electrochemistry and volumetric analysis. A brief qualitative analysis scheme is also carried out in the laboratory program. *Letter Grade Only. Degree Credit.*

Units: 5

Hours/semester: 48-54 Lecture; 96-108 Lab; 96-108 Homework

Prerequisites: CHEM 210 or equivalent

AA/AS Degree Requirements: Area 5A

Transfer Credit: CSU, UC, (Cal-GETC Area 5A)

C-ID: CHEM 120S (both CHEM 210 & 220 must be taken)