CHM 211: Basic Inorganic Chemistry  2 Units

Department of PHYSICS

Covenant University
1. CHM211
1.1. CHM 211: Basic Inorganic Chemistry  2 Units

Prerequisite: CHM 122

Qualitative treatment of Molecular Orbital and Valence Bond theories, introduction to the chemistry of transition elements, lanthanides and actinides: definition and general characteristics of transition elements, lanthanides and actinides, electronic configuration of the atoms and ions. Descriptive chemistry of some selected transition metals. 1st, 2nd, and 3rd transition series, lanthanides and actinides, Coordination Chemistry; Ligand and crystal field theories, structure, reactivity and applications of coordination compounds.