

CHEM3860 Transition Metal Chemistry Laboratory

Course Description:

Inorganic Chemistry is the most mature branch of science, having been practiced from ancient times. This inorganic laboratory course aims to provide challenges and inspires students by emphasizing the sweep and beauty of the inorganic area.

Co-requisite:

CHEM3130

List of Experiments (for reference only):

- Preparation and Spectroscopic Analysis of Nitrito- and Nitro-pentaamminecobalt(III) Chloride Complexes
- Spectral and Magnetic Study of Chromium(III) Complexes
- Preparation, Spectroscopic Analysis of Copper(II) Glycinate Complexes
- Pentacoordination: Preparation and Reactions of Vanadyl Acetylacetonate
- Hydrolysis and Mechanism of Pentaamminechlorocobalt(III) Complex
- Geometric Isomers: *Cis*- and *Trans*-isomers of Dichlorobis(ethylenediamine)cobalt(III) Chloride

