

CHEM 3130 Transition Metal Chemistry

Course Description:

Coordination chemistry: bonding, electronic spectra, magnetic properties, structure and isomerism, reactions, kinetics and mechanisms. Fundamentals of organometallic chemistry.

Main Course Outline (for reference only):

1. Introduction to Coordination Chemistry
2. Bonding Theories for Coordination Compounds
3. Electronic Spectra of Coordination Compounds
4. Magnetic Properties of Coordination Compounds
5. Structure and Isomerism
6. Reactions, Kinetics and Mechanisms
7. Fundamentals of Organometallic Chemistry