CHMC31Y3 Intermediate Inorganic Chemistry

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References:
Inorganic Chemistry, Gary Wulfsberg
Basic Inorganic Chemistry, Cotton and Wilkinson
Advanced Inorganic Chemistry, Cotton and Wilkinson
Other references will be given in class

Marking Scheme: Term Test #1 on Saturday, February 18, 2006, 9-11.00AM – 10%
Term Test #2 on Saturday, March 11, 2006, 9-11.00 AM - 15%
Labs 40%
Final Exam (during exam period) 35%

Office hours:
Monday 12-1 PM
Friday 3 -5 PM

Course outline: see next page
COURSE OUTLINE:

Chapter 13: The electronic spectra of complexes.
Physical methods of characterization: UV-visible, IR, EPR and NMR spectroscopy of organometallic compounds. Notes will be given in class.

Chapter 14: Reaction mechanisms of d-metal complexes.

Chapters 15 and 16: Introduction to organometallic compounds, organometallic compounds of d-block elements.

Chapter 17: Homogenous and Heterogenous catalysis

Chapter 15: Main-Group Organometallic compounds.