

CHMC31Y3 Intermediate Inorganic Chemistry

Instructor: Dr. Savitri Chandrasekhar
Office: Room S506E
Phone: (416) 287-7209
E-mail: schandra@utsc.utoronto.ca
Website: <http://www.utsc.utoronto.ca/~schandra>

Text: 'Inorganic Chemistry' – D.F. Shriver and P.W. Atkins,
Freeman and Co., 2003.

References: Inorganic Chemistry, Gary Wulfsberg
Inorganic Chemistry, Housecroft and Sharpe, 2001 or 2003.
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.