CHM B31H3F Introduction to Inorganic Chemistry

Instructor: Dr. Savitri Chandrasekhar
Office: Room 506E
Phone: (416) 287-7209
Email: schandra@utsc.utoronto.ca
Website: www.utsc.utoronto.ca/~schandra/


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

Marking Scheme:
Term Test during week of October 16 (TBA) - 25 %
Term Test during week of November 13 (TBA) - 25 %
Final Examination (during exam period) - 50 %

Office hours: Monday 12:00 noon - 1:00 PM
Friday 10:00 AM – 11:00 AM

Course outline: see next page
COURSE OUTLINE:

PART 1  FOUNDATIONS

Chapter 1  Some basic concepts
Chapter 2  Nuclear properties
Chapter 4  Bonding in polyatomic molecules
Chapters 5 and 27  Structures and energetics of metallic and ionic solids
Chapter 6  Acids, bases and ions in aqueous solutions

PART 2  SYSTEMATIC CHEMISTRY OF THE ELEMENTS

Chapters 19 and 20  d-block chemistry
Chapter 9  Hydrogen
Chapters 14 and 15  The Groups 15 and 16 elements
Chapters 16 and 17  The Groups 17 and 18 elements
Course Description:
Fundamentals of coordination, solid state and descriptive Inorganic Chemistry, Structures metal coordination compounds; solid state structures and energetics; selected chemistry Examples will be taken from environmentally and biologically important inorganic comp...

Marking Scheme:
Term Test on week of October 16 (TBA)- 25 %
Term Test on week of November 13 (TBA) - 25 %
Final Examination (during exam period) -50 %

Recommended Textbook:
References:
Basic Inorganic Chemistry, Cotton and Wilkinson
Advanced Inorganic Chemistry, Cotton and Wilkinson
Other references will be given class.

Office Hours:
Monday 12:00 PM -1:00 PM
Friday 10:00 AM -11:00 AM

CHMB31H3F Course material
_Last modified on September, 2006_