Chemistry 401
Intermediate Inorganic Chemistry

Syllabus
Fall 2016

Instructor: Louis J. Kirschenbaum
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Office Hours: Monday, Wednesday 10:30-11:30 Thursday 9:30-10:30 or whenever I am available.


Topics to be covered:
Atomic Structure (Chapter 1)
Molecular Structure & Bonding (Chapter 2)
The Structure of Simple Solids (Chapter 3)
Acids & Bases (Chapter 4)
Oxidation & Reduction (Chapter 5)
Symmetry (Chapter 4)
Intro to Coordination Compounds (Chapter 7)

Grading:

Exam 1 100
(Thursday, October 18)
Exam 2 (Tuesday November, 24) 100
Final Exam (Dec 20, 2016 11:30 AM) 150
Homework 300 (independent work required!)
Class Participation/“Essays” 100

TOTAL 750

There are four books on reserve in the library (there may be more). The Nature of the Chemical Bond by Linus Pauling (1960) is a classic in inorganic chemistry. Uncle Tungsten by Oliver Sacks is an account of the famous neurologist's youth. The Periodic Table by Nobelist Primo Levi is a mix of science, fantasy, history and psychology. A copy of Shriver and Atkins is also on reserve.