Instructor

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Lecture

MWF 12:00 12:50, Lafayette L302

Office Hours

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Course Outline

Unit #1 Fundamentals of Inorganic Chemistry

- I. Atomic Theory
- II. Molecular Symmetry
- III. Vibrational Spectroscopy
- IV. Main Group Bonding

Unit #2 Structure and Bonding in Inorganic Systems

- V. Main Group Reactivity
- VI. Solid State Chemistry
- VII. Transition Metal Bonding
- VIII. Transition Metal Electronic Structure

Unit #3 Spectra and Reactivity of Inorganic Complexes

- IX. Electronic Spectroscopy
- X. Transition Metal Reactivity
- XI. Organometallic Reactivity
- XII. Bioinorganic Chemistry

Problem Sets

Problem sets will be handed out approximately once a week throughout the course of the semester. These problem sets are intended to solidify your understanding of the major course concepts and challenge you to think critically using your new-found knowledge. Please

Problem sets are due at the *beginning* of class. Late Problem sets will not be accepted, but the two lowest scores will be dropped.

Exams

Three exams are scheduled for Chemistry 231, which will cover units 1 3 separately. In other words, the exams will not be cumulative. Exams #1 and #2 are scheduled for 7 PM on **October 4** and **November 3**. Exam #3 will use our final exam time: **December 12** at 7:30 AM.

Grading

Your grade will be based upon problem sets (25%) and three exams (25% each). I strive to be as accurate as possible when grading problem sets and exams, but will occasionally make a mistake. You may request a complete regrade of an assignment, plus a clear explanation for any lost points, at any point prior to administration of the final exam.