

CH 403 INORGANIC CHEMISTRY

Chaminade University
Fall Semester 2000
MWF 8:00 - 8:50
Henry Hall 33

Instructor: **Janet** Jensen
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Office Hours: MF 12-1, **TuTh** 10-11, or by appointment

Text: Inorganic Chemistry. Principles of **Structure** and Reactivity, 4th ed.
J. Huheey, E. **Keiter**, R. Keiter, **HarperCollins**, 1993.

WEEK	DATES	CHAPTER
1	8/28-9/1	1 What is Inorganic Chemistry? 2 The Structure of the Atom
2	9/6-9/8	3 Symmetry and Group Theory
3	9/11-9/15	3 Symmetry cont. 4 Bonding Models: 1. Ionic Compounds
4	9/18-9/22	4 Ionic Compounds cont.
5	9/25-9/29	5 Bonding Models: 2. The Covalent Bond
6	10/2-10/6	6 The Structure and Reactivity of Molecules
7	10/11-10/13	7 The Solid State
8	10/16-10/20	7 Solid State cont. Chemical Forces
9	10/23-10/27	9 Acid-Base Chemistry
10	10/30-11/3	11 Coordination Chemistry: Bonding, Spectra , and Magnetism
11	11/6-11/8	12 Coordination Chemistry: Structure
12	11/13-11/17	12 Structure cont. 13 Coordination Chemistry: Reactions , Kinetics, and Mechanisms
13	11/20-11/22	13 Reactions cont.
14	11/27-12/1	15 Organometallic Chemistry
15	12/4-12/8	16 Inorganic Chains, Rings, Cages and Clusters 19 Inorganic Chemistry of Biological Systems

The final exam is scheduled for **Thursday**, December 14, 2000 from 8:00 to 10:00 am

Grading and Exams:

The course exams will consist of weekly, announced quizzes and a comprehensive final exam. There will be no make-up quizzes given, but I will drop the lowest quiz score before determining the final grades.

Homework problems will be assigned from the text for each chapter. Additional problem sets will be handed out on occasion.

The course grade will be calculated as follows:

Homework	10
Quizzes	60
Final Exam	30

Other Information:

I have copies of several other inorganic chemistry texts available for you to borrow (short term). You may find another author's explanation of a certain concept is easier to understand than the one in your own text.