Chemistry 3610 **Inorganic Chemistry**

Lecturer **Adam S. Veige: veige@chem.ufl.edu** 392-9844
CLB 412b

Office Hours: M and Th (10:50 am – 12:00 pm)
CLB 414

Teaching Assistants Matias Pascualini: matiaspascualini@ufl.edu (Lab: CLB 417)
Sudarsan VenkatRamani: sud.venkatramani@chem.ufl.edu
(Lab: CLB 415)

Office Hours: To Be Determined

Lecture Hours M, T, W, R, F Period 2 (9:30 – 10:45)

Textbook Miessler, G. L. and Tarr, D. A., *Inorganic Chemistry 5th Ed.*

Helpful Text Shriver and Atkins *Inorganic Chemistry 5th Ed.*
Cotton, Wilkinson, Gauss, *Advanced Inorganic Chemistry*
Cotton, *Chemical Applications of Group Theory*

Grading

Mid-term Exams (2)	200
Problem Sets 6	60
Final Exam	150
Total	410

To review the current UF grade point equivalencies go to:
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx#averaging

410-350 A, 349-329 A−, 328-314 B+, 313-297 B, 296-287 B−, 286-266 C+,
265-250 C, 249-234 C−, 233-218 D+, 217-202 D, 201-187 D−, 186-0 E

Note: you have two weeks to request a re-grade of an exam or problem set. After two weeks the score will be final. Warning: we photocopy exams and problems sets and will check with the copy prior to re-grading

Examinations Exams, In–Class: Friday, May 29th, Friday, June 12th.
Final Exam: Friday June 19th, in class 9:30 – 11:30 am.

Missed Exams **No make-up exams will be provided.** Arrangements will be made for students that have official UF travel conflicts. Notification and documentation must be provided one week in advance (no exceptions). An exam absence due to medical

illness must be accompanied by a doctor note indicating you were not able to attend the exam.

Accommodation for Students with Disabilities Students requesting classroom accommodation must first register with the Dean of Students Office. That office will provide the student with documentation that he/she must provide to the course instructor when requesting accommodation.

Lecture

Chemistry 3610 will survey modern inorganic/organometallic concepts of bonding, reactivity, and physical properties.

Problem Sets

Problem sets will be assigned at intervals of approximately one week. Problem Sets are due at the beginning of class. Problem sets handed in immediately after class but on the same day will be assigned a grade of M (5 pts). Problem sets handed in after the due date will not be graded (0 pts) Solutions will be provided.

Grading: Problem sets will be graded as follows
Satisfactory: S (10 pts)
Marginal: M (5 pts)
Unsatisfactory: U (0 pts)

Satisfactory (S) problems were attempted and there is an obvious understanding of the material demonstrated. (i.e. just attempting a question is not satisfactory)
Marginal (M) grade will be assigned for sloppy work, not attempting a problem, if a significant portion is incorrect.
Unsatisfactory (U) majority of the problem sets is incorrect.

Problem Set Due dates

*Subject to change
Friday, May 15
Friday, May 22
Thursday, May 28
Friday, June 5
Thursday, June 11
Thursday, June 18

Review Sessions

Each Friday the lecture will be a review session. The topic will be the problem set/exam answer key and to answer general questions.

Class Attendance

Class attendance is mandatory since some discussion may diverge from the text.

Honesty Policy

All students admitted to the University of Florida have signed a statement of academic honesty committing themselves to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action. This statement is a reminder to uphold your obligation as a UF student and to be honest in all work submitted and exams taken in this course and all others.

UF Counseling Services

Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:

- University Counseling Center, 301 Peabody Hall, 392-1575, Personal and Career Counseling.
- SHCC mental Health, Student Health Care Center, 392-1171, Personal and Counseling.
- Center for Sexual Assault/Abuse Recovery and Education (CARE), Student Health Care Center, 392-1161, sexual assault counseling.
- Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling.

Chemistry 3610: Inorganic Chemistry
Course Information

Chapter 1. Atomic Structure

Chapter 2. Molecular Structure and Bonding

Chapter 3. The structure of Simple Solids

Chapter 4. Acids and Bases

Chapter 6. Molecular Symmetry

Chapter 7. An introduction to coordination compounds

Chapter 20. d-Metal complexes: electronic structure and properties

Chapter 21. Coordination chemistry: reactions of complexes.

Chapter 22. d-metal organometallic chemistry