

**Chemistry 3610****Inorganic Chemistry****Lecturer****Adam S. Veige: [veige@chem.ufl.edu](mailto:veige@chem.ufl.edu)**

392-9844

**CLB 412b**

Office Hours: M, W, TH period 4

**Teaching Assistants**Sudarsan VankatRamani, [sud.venkatramani@chem.ufl.edu](mailto:sud.venkatramani@chem.ufl.edu)  
(Office Hours TBD)Jason Newton, [jtnewton@chem.ufl.edu](mailto:jtnewton@chem.ufl.edu)  
(Office Hours TBD)**Lecture Hours**

M, W, TH Period 5

**Textbook**Miessler, G. L. and Tarr, D. A., *Inorganic Chemistry 5th Ed.***Helpful Text**Shriver, Atkins, *Inorganic Chemistry, any edition.*  
Cotton, Wilkinson, Gauss, *Advanced Inorganic Chemistry*  
Cotton, *Chemical Applications of Group Theory***Grading**Exams (best **2** out of **3** exams)

Final Exam (~50% new material: 50% cumulative)

Problem Sets (**10**)

Exam 1, 2, and 3 (1 drop)	200
Problem Sets 10	100
<u>Final Exam</u>	<u>150</u>
Total	450

450-394 A, 393-371 A-, 370-354 B+, 353-336 B, 335-319 B-, 318-302 C+,  
301-284 C, 283-267 C-, 266-249 D+, 248-232 D, 231-215 D-, 214-0 E

Explanation for best **2** out of **3**: Often unavoidable life events occur during exam time. Since there are no makeup exams, you will be permitted to drop your lowest score (not the final). If you do poorly on one exam and then later in the semester you miss an exam, the missed exam will be dropped (no exceptions).

**\*\*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.

To review the current UF grade point equivalencies go to:

<http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>



**Examinations**

Exams, In-Class: Monday February 1<sup>st</sup>, Wednesday March 9<sup>th</sup>, and Monday April 4<sup>th</sup>.  
Final Exam: Friday April 29<sup>th</sup>, 7:30 am – 9:30 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).

**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.

**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 2. Atomic Structure**

**Chapter 3. Simple Bonding Theory**

**Chapter 4. Symmetry and Group Theory**

**Chapter 5. Molecular Orbitals**

**Chapter 6. Acid-Base and Donor Acceptor  
Chemistry**

**Chapter 9. Coordination Chemistry I:  
Structure and Isomers**

**Chapter 10. Coordination Chemistry II:  
Bonding**

**Chapter 11. Coordination chemistry III:  
Electronic Spectra**

**Chapter 12. Coordination chemistry IV:  
Reaction Mechanisms**

**Chapter 13. Organometallic Chemistry**