

**Inorganic Chemistry**  
CHEM 4365, Fall 2016  
TR 9:00am – 10:20am, PSCI 314

INSTRUCTOR: Dr. Skye Fortier  
OFFICE: CCSB 2.0404  
PHONE: 747-5195  
EMAIL: asfortier@utep.edu

OFFICE HOURS: Wednesday and Friday 9:00am – 10:00am and by appointment

TEXTBOOK: Inorganic Chemistry, Miessler & Tarr, 4<sup>th</sup> edition

SUPPLEMENTAL TEXTS: The following texts are useful references and, from time to time, may be used to supplement Miessler & Tarr. These texts need not be purchased.

Cotton, Chemical Applications of Group Theory  
Shriver & Atkins, Inorganic Chemistry  
House, Inorganic Chemistry  
Cotton & Wilkinson, Advanced Inorganic Chemistry  
DeKock & Gray, Chemical Structure and Bonding

GRADING:

Problem Set #1	20%
Midterm	30%
Problem Set #2	20%
Cumulative Final	30%

Course grades are based exclusively on the two problem sets and two exams listed above. “Extra credit” assignments or additional graded work will not be given.

You are highly encouraged to take full advantage of face-to-face time during office hours. To the very best of my abilities, I am happy to clarify or further explain course material.

CLASS TOPICS: Topics and their order are tentative and subject to change

Ch. 1 Introduction to Inorganic Chemistry  
Ch. 2 Atomic Structure  
Ch. 13 Ligand Nomenclature and 18e- rule  
Ch. 9 Coordination Numbers and Isomerism  
Ch. 4 Symmetry and Group Theory  
Ch. 5 Introduction to Molecular Orbital Theory  
Ch. 10 Ligand Field Theory/Crystal Field Theory  
Ch. 13 Bonding between Metals and  $\pi$ -Systems  
Ch. 14 Organometallic Reactions and Catalysis

\*Students are expected to know how to draw Lewis dot structures and must be familiar with VSEPR theory

COURSE DROP DEADLINE: October 28, 2016

**CLASS ABSENCE:** Attendance is not taken, but it is ill advised to voluntarily miss a lecture. If you have to miss a class session, please get together with a peer to catch up on any notes or material that you have missed. Once you have had an opportunity to review the notes, it would be my pleasure to revisit the material during office hours if you have any questions. However, if you miss a class, I will not repeat the lecture or provide a copy of the class notes.

Class lectures cannot be recorded or filmed unless I give explicit written consent in advance. Permission will only be granted in extraordinary circumstances.

If you miss an exam, a valid excuse must be provided (e.g. medical emergency, school field trip or conference attendance, etc.) It is your responsibility to contact me to schedule time for a re-take. If you do not contact me to make arrangements within 1 week of the original exam date, a grade of 0 will be automatically assigned.

**LATE ASSIGNMENTS:** Problem Sets will be collected at the beginning of class on the day they are due. Any assignments turned in beyond this point will be considered late and will receive a 10% deduction. An additional 10% will be deducted for each day the assignment is overdue. Late assignments will not be accepted three days past their due date.

**SPECIAL ACCOMODATIONS:** If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to [cass@utep.edu](mailto:cass@utep.edu), or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at [www.sa.utep.edu/cass](http://www.sa.utep.edu/cass). *CASS' Staff are the only individuals who can validate and if need be, authorize accommodations for students with disabilities.*