

**CHM 501**  
**Advanced Inorganic Chemistry I**  
Fall 2008

Instructor: Dr. Bill Euler

Textbook: *Concepts and Models of Inorganic Chemistry*, 3<sup>rd</sup> edition, B. Douglas, D. McDaniel, J. Alexander

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Topics to be covered this semester:

Atomic Structure (Chapter 1)  
Molecular Structure and Bonding (Chapter 2)  
Symmetry and Group Theory (Chapter 3)  
Molecular Orbital Theory (Chapter 4)  
Solids (Chapter 5, 6)  
Acids and Bases (Chapter 7)

Grading:

Mid Term Exam 1 (Oct. 28)	100
Final (given out Dec. 9, due Dec. 16)	200
Total	300

The mid term exam will be open textbook and open notes. Don't let this deter you from studying thoroughly - the exams will consist primarily of thought questions that require you to use the material covered in class and the text (i.e., you won't be able to look any answer up!). You will be required to use the textbook as a reference for tables of data and equations.

If your score on the final exam is higher than the mid term exam, I will use only the final exam score to determine your grade. (Be warned: the final exam will be hard.)