

## CHEMISTRY 270: INORGANIC CHEMISTRY I SPRING 2006

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**Web Page** <http://csm.jmu.edu/chemistry/courses/inorganic/>

**Course Objectives.** Chemistry 270 is a one-semester introduction to the principles of inorganic chemistry. It is also an opportunity to fine-tune your understanding of some of the basic chemical concepts introduced in general chemistry. Principal topics include periodicity, structure, symmetry, bonding models, reactivity and an introduction to transition metal complexes.

**Reading assignments.** The primary reference for this course will be Wulfsberg, *Inorganic Chemistry*. You should make an effort to read the material before each class period because we will move at a fairly rapid rate. Read with pencil and paper at hand and work through the examples in the text. Working with a model kit is highly recommended. I expect that you will have access to a computer with internet access.

**Homework.** While there will not be any formal homework assignments, learning chemistry is not a spectator sport! Working problems is one of the most effective ways to master chemistry and I will suggest problems that may help you with the material we are covering in class. I fully expect (and encourage) you to work with your classmates to understand the chemistry you are learning in Chem 270.

**Exams.** The concepts tested on exams will be based heavily lecture content. However, some background material and, occasionally, independent study topics will be included on the exams. Four equally weighted hour exams will be given during the semester. The final exam is a comprehensive final. No make-up exams will be given.

Hour Exam 1	Monday, January 23
Hour Exam 2	Monday, February 20
Hour Exam 3	Monday, March 20
Hour Exam 4	Monday, April 10
ACS Inorganic Chemistry Exam	Friday, April 29, 7:30-9:00 AM or
Comprehensive Final Exam	Monday, May 1, 8:00-10:00 AM

**Grading.** Your final grade in the course will be determined from the following:

- 4 Hour Exams 60%
- Cumulative Final Exam 35%
- ACS Examination 5%

Grades will be based on the 88-78-68-58 scale.

**Inclement weather.** If the university is closed or classes are delayed due to inclement weather, the missed class or exam may be rescheduled for 7:00 AM on the day of the next class meeting. If the university is closed during a period when an exam is scheduled, the exam will be during the next class period.

**Honor Code.** The spirit of the JMU Honor Code (<http://www.jmu.edu/honor/>) applies to all aspects of this course. It is expected that students will maintain the highest standards of academic honesty.

Studying and working with other students on homework assignments is encouraged. However, the written work that you turn in should be representative of your understanding of the material at hand. Do not misrepresent the work that you turn in as your own work if it is not.

Tentative Schedule:

1/9-1/13	Wolfsburg: Chapter 1 Sections 1-10
1/16-1/20	MLK Holiday 1/16, Monday Wolfsburg: Chapter 1 Sections 1-10
1/23-1/27	First Hour Exam 1/23, Monday Wolfsburg: Chapter 2 Sections 1-8
1/30-2/3	Wolfsburg: Chapter 2 Sections 1-8
2/13-2/17	Wolfsburg: Chapter 3 Sections 1-8
2/20-2/24	2 <sup>nd</sup> Hour Exam 2/20, Monday Wolfsburg: Chapter 3 Sections 1-8
2/27-3/3	Wolfsburg: Chapter 9 Sections 1-4 (in part)
3/6-3/10	Spring Break
3/13-3/17	Wolfsburg: Chapter 10 Sections 1-5
3/20-3/24	3 <sup>rd</sup> Hour Exam 3/20, Monday Wolfsburg: Chapter 10 Sections 1-5
3/27-3/31	Wolfsburg: Chapter 5 Sections 1-5 (perhaps a bit more, tba)
4/3-4/7	Wolfsburg: Chapter 5 Sections 1-5 (perhaps a bit more, tba)
4/10-4/14	4 <sup>th</sup> Hour Exam 4/10, Monday Wolfsburg: Chapter 8 Sections 1-11
4/17-4/21	Wolfsburg: Chapter 8 Sections 1-11
4/24-4/28	Wolfsburg: Chapter 8 Sections 1-11 ACS Inorganic Exam 7:30-9:00 am, 4/28, Friday
5/3	Final Exam 8:00-10:00 am, 5/3, Monday

*The faculty reserves the right to modify any aspect of this document as circumstances and judgment dictate.*