

Course Title/Number	Principles of Chemistry II / CHM 212, Section 205
Semester/Year	Spring 2016
Days/Time	TR 4:00 – 5:15
Location	473 Science Hall
Instructor	Dr. Scott Day
Office	479 Science Hall
Phone	304-696-7054
E-Mail	day17@marshall.edu
Office/Hours	Tuesdays and Thursdays 1:00 – 3:00, Wednesdays 10:30 – 12:00 Drop-in visits are welcome
University Policies	By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to http://www.marshall.edu/academic-affairs/?page_id=802 Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities of Students/ Affirmative Action/ Sexual Harassment

Course Description:

A continuation of CHM 211 with emphasis on the inorganic chemistry of the representative elements and transition metals. 3.00 credits. Prerequisite: grade of C or better in CHM 211

Course Outcomes:

Course Student Learning Outcomes	How students will practice each outcome in this Course	How student achievement of each outcome will be assessed in this Course
Students will identify and explain trends in physical and chemical properties.	-lectures -textbook readings -ALEKS exercises	-test -ALEKS exercises
Students will understand how the energy of a system governs the rate and extent of chemical reactions.	-lectures -textbook readings -ALEKS exercises	-test -ALEKS exercises
Students will understand how the relative amounts of chemical species govern the rate and extent of chemical reactions.	-lectures -textbook readings -ALEKS exercises	-test -ALEKS exercises
Students will apply mathematical techniques to formulate and solve problems in chemistry.	-lectures -textbook readings -ALEKS exercises	-test -ALEKS exercises

Required Texts, Additional Reading, and Other Materials:

1. *Principles of General Chemistry, Third Edition* by Martin S. Silverberg; McGraw-Hill, 2013
2. ALEKS access
3. Access to MU Online and a Marshall email account
4. Non-programmable calculator

Course Policies

Grading Policy

The grade for this class will be determined from homework, four in-class exams and a cumulative, final exam. The homework portion of the grade will be determined from ALEKS exercises. One hundred points of the homework will come from completion of the periodic objective assignments and one hundred from topic mastery (% of topics mastered from pie chart) at the end of the semester. The material for the exams will come from lectures, ALEKS problems and the reading assignments. In-class exams may cover material from previous exams.

ALEKS exercises	200 points
In-class exams	600 points
Final exam	200 points
	1000 total

Grading Scale: A 900-1000 B 800-899 C 700-799 D 600-699 F < 600

Attendance Policy

Attendance for this class is not mandatory. By that, no portion of your grade will be determined by attendance. Absences from exams can only be made-up if the absence falls within one of the categories outlined in the undergraduate catalog for excused absences. To make-up an exam, you will need to follow the process for securing an excused absence. Excused absences must be obtained as soon as possible.

Other Policies

1. Cell phones cannot be used, or out, during exams.
2. Sharing calculators during exams is prohibited.
3. During quizzes, all materials necessary will be provided to you except a pencil and calculator. You may NOT use your own paper, etc.
4. Please turn off cell phones during class, failure to do so may result in dismissal from lecture.
5. Class announcements may be made via email to your university email address and it is your responsibility to check that account on a regular basis.

Course Schedule

Date	Chapter	Notes	Reading
January 12	Syllabus, 12	Introduction	Syllabus
January 14	12		12.1 – 12.6
January 19	13		13.1 – 13.3
January 21	13		13.4 – 13.5
January 26	16		16.1 - 16.3
January 28		Exam I (chap. 12 & 13)*	
February 2	16		16.4 – 16.5
February 4	16		16.6 – 16.7
February 9	23		23.1 – 23.3
February 11	23		23.4 – 23.7
February 16	17		17.1 – 17.2
February 18		Exam II (chap. 16 & 23)*	
February 23	17		17.3 – 17.4
February 25	17		17.5 - 17.6
March 1	18		18.1 – 18.4
March 3	18		18.5 – 18.8
March 8	19		19.1 – 19.2
March 10	19		19.3 – 19.4
March 15	20		20.1
March 17		Exam III (chap. 17 - 19)*	
March 22	<i>Spring Break</i>		
March 24			
March 29	20		20.1 - 20.2
March 31	20		20.3 – 20.4
April 5	21		21.1 – 21.3
April 7	21		21.4 – 21.5
April 12	21		21.6 -21.7
April 14	22		22.1 – 22.2
April 19		Exam IV (chap. 20 & 21)*	
April 21	22		22.3
April 26		Review	
April 28		Review	
April 30	Final Exam Saturday at 10:00 a.m.		

*Exam dates are approximate and subject to change