Course Title/Number	**Principles of Chemistry II / CHM 212, Section 205**
Semester/Year	Spring 2017
Days/Time	TR 4:00 – 5:15
Location	465 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 11:00 – 12:00 (Chemistry Library, S-460) 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	-exams -ALEKS exercises
Students will understand how the energy of a system governs the rate and extent of chemical reactions.	-lectures -textbook readings -ALEKS exercises	-exams -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	-exams -ALEKS exercises
Students will apply mathematical techniques to formulate and solve problems in chemistry.	-lectures -textbook readings -ALEKS exercises	-exams -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 points 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 exams, 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 10	Syllabus, 12	Introduction	Syllabus
January 12	12		12.1 – 12.6
January 17	13		13.1 – 13.3
January 19	13		13.4 – 13.5
January 24	16		16.1 - 16.3
January 26		**Exam I (chap. 12 & 13)***	
January 31	16		16.4 – 16.5
February 2	16		16.6 – 16.7
February 7	17		17.1 – 17.2
February 9	17		17.3 – 17.4
February 14	17		17.5 - 17.6
February 16	18		18.1 – 18. 4
February 21		**Exam II (chap. 16 & 17)***	
February 23	18		18.5 – 18.8
February 28	19		19.1 – 19.2
March 2	19		19.3 – 19.4
March 7	20		20.1
March 9	20		20.1 - 20.2
March 14	20		20.3 – 20.4
March 16		**Exam III (chap. 18 - 19)***	
March 17	*Last Day to Drop an Individual Course*		
March 21	*Spring Break*		
March 23			
March 28	21		21.1 – 21.3
March 30	21		21.4 – 21.5
April 4	21		21.6 -21.7
April 6	22		22.1 – 22.2
April 11		**Exam IV (chap. 20 & 21)***	
April 13	22		22.3
April 18	23		23.1 – 23.3
April 20	23		23.4 – 23.7
April 25		**Review**	
April 27		**Review**	
April 29		**Final Exam** Saturday at 10:00 a.m.	

*Exam dates are approximate and subject to change