Course Title/Number	**Principles of Chemistry II / CHM 212, Section 102**
Semester/Year	Fall 2015
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 – 3:30, 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 -homework	-test -homework
Students will understand how the energy of a system governs the rate and extent of chemical reactions.	-lectures -textbook readings -homework	-test -homework
Students will understand how the relative amounts of chemical species govern the rate and extent of chemical reactions.	-lectures -textbook readings -homework	-test -homework
Students will apply mathematical techniques to formulate and solve problems in chemistry.	-lectures -textbook readings -homework	-test -homework

Required Texts, Additional Reading, and Other Materials:

1. ***Chemistry: The Science in Context****, Third Edition* by Thomas R. Gilbert, Rein V. Kirss, Natalie Foster, and Geoffrey Davies; W.W. Norton & Company, Inc.
2. SmartWork access for the textbook
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 counts as 20 % of your final grade, each in-class exam is 15 % of your final grade and the final exam is worth 20 %. Homework will come from SmartWork assignments, one assignment per chapter. The material for the exams will come from lectures, homework problems and the reading assignments. In-class exams may cover material from previous exams.

Grading Scale: A 90-100 B 80-89 C 70-79 D 60-69 F < 60

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 obtain an excused absence through the office of Student Affairs. Excused absences must be obtained as soon as possible. **All make-up exams will be given on December 4.** It is your responsibility to arrange a time on that date to take the make-up exam.

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
August 25	Syllabus, 10	Introduction	Syllabus
August 27	10		10.1 – 10.6
September 1	11		11.1 – 11.3
September 3	11		11.4 – 11.5
September 8	14		14.1 - 14.2
September 10	14		14.3 – 14.4
September 15		**Exam I (chap. 10 & 11)***	
September 17	14		14.5
September 22	15		15.1 – 15.2
September 24	15		15.3 – 15.4
September 29	15		15.5 – 15.6
October 1	16		16.1 – 16.3
October 6		**Exam II (chap. 14 & 15)***	
October 8	16		16.4 – 16.7
October 13	16		16.8 – 16.10
October 15	17		17.1 – 17.3
October 20	17		17.4 – 17.7
October 22	17		17.8 – 17.10
October 27	18		18.1 – 18.4
October 29		**Exam III (chap. 16 & 17)***	
October 30		*Last day to drop a full semester individual course*	
November 3	18		18.5 – 18.8
November 5	18		18.9 – 18.10
November 10	19		19.1 – 19.2
November 12	19		19.3 – 19.4
November 17	19		19.5 – 19.9
November 19		**Exam IV (chap. 18 & 19)***	
November 24	*Thanksgiving Break*		
November 26			
December 1	21		21.1 – 21.5
December 3	21		21.6 – 21.10
Dec 5		**Final Exam** Saturday at 10:00 a.m.	

*Exam dates are approximate and subject to change