

Chemistry 212 – Principles of Chemistry II

Spring 2012

Instructor: Dr. Scott Day

Phone: 696-7054

Scheduled Office Hours: TR 9-11, F 3-5 or if I'm here just drop by

Lecture Room: Science Building 473

Course Credits: 3

Course PR: 'C' or better in CHM 211

Required Text: *Chemistry: The Central Science* 11th Ed. by Brown, LeMay, Bursten, & Murphy
MU online will be used to post notes, homework solutions, and exam keys

Office: Science Building 479

E-mail: day17@marshall.edu

Time: TR 4:00 – 5:15

Course Description:

A continuation of chemistry 211 with emphasis on the inorganic chemistry of the representative elements and transition metals.

Course Objectives:

1. To learn vocabulary, to gain a better understanding between the structure of matter and their macroscopic properties and to develop quantitative familiarity with general chemical trends and principles.
2. To learn how to apply general chemical knowledge to solve basic chemistry problems and to implement these logical strategies to solve complex, multistep problems.
3. To establish and develop personal study habits.

Attendance:

Attendance for this class is not mandatory. By that, no portion of your grade will be determined by attendance, but homework assignments may be collected every class and no late homework will be accepted. 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. All excused absences must be obtained as soon as possible.

Grading:

The grade for this class will be determined from homework, four in-class tests and a cumulative, final exam. The homework will count 20 % of your final grade, each in-class test is worth 15% of your final grade and the final exam is worth 20 %. Homework will be collected based on a random selection from homework assignments and the lowest score will be dropped. The material for the tests will come from lectures, homework problems and the reading assignments. In-class exams may cover up to 20% of previous material.

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

Course Policies:

1. Graphing calculators, calculators with alphanumeric programming, and calculators on cell phones, PDAs, etc. cannot be used during any exam. Likewise, sharing of calculators during exams is prohibited.
2. During exams, all materials necessary will be provided to you except a pencil and calculator. You may NOT use your own paper, etc.
3. If a snow day or other university cancellation occurs on an exam day, the exam will be given on the next class meeting.
4. Please turn off cell phones during class, failure to do so may result in dismissal from lecture.
5. Students with disabilities who require special accommodations will be made. www.marshall.edu/disabled.
6. Academic dishonesty will be dealt with as outlined in the undergraduate catalog.

Suggested Activities for Success:

1. Read the suggested material from the textbook before and after each lecture.
2. Try to work through every homework problem no matter how difficult.
3. Always attend class and take good notes.
4. Seek help from others, some possibilities:
 - a. Take advantage of my office hours.
 - b. Work in small groups in studying for tests.
 - c. Work with a tutor. (<http://www.marshall.edu/wpmu/uc/tutoring-services/>)
 - d. Helpful website: <http://science.marshall.edu/castella/c212.html>
5. Exercise regularly and maintain a healthy diet.

Schedule:

Date	Chapter	Notes	Reading
January 10	11	Introduction	
January 12	11		11.1 - 11.8
January 17	13		13.1 - 13.4
January 19	13		13.5 - 13.6
January 24	14		14.1 - 14.3
January 26	14		14.4 - 14.7
January 31	15		15.1 - 15.3
February 2		Exam I (chap. 11, 13, 14)*	
February 7	15		15.4 - 15.6
February 9	15		15.7
February 14	16		16.1 - 16.5
February 16	16		16.6 - 16.11
February 21	17		17.1 - 17.3
February 23		Exam II (chap. 15 & 16)*	
February 28	17		17.4 - 17.5
March 1	17		17.6 - 17.7
March 6	19		19.1 - 19.3
March 8	19		19.4 - 19.5
March 13	19		19.6 - 19.7
March 15	20		20.1 - 20.3
March 20		<i>Spring Break</i>	
March 22		<i>Spring Break</i>	
March 27		Exam III (chap. 17 & 19)*	
March 29	20		20.4 - 20.6
April 3	20		20.7 - 20.9
April 4 [#]		<i>Assessment Day</i>	
April 5	21		21.1 - 21.4
April 10	21		21.5 - 21.9
April 12	24		24.1 - 24.3
April 17	24		24.4 - 24.6
April 19		Exam IV (chap. 20, 21, 24)*	
April 24	25		25.1 - 25.5
April 26	25		25.6 - 25.10
April 28		Final Exam Saturday from 9:50 a.m. - 11:50 a.m.	

*Exam dates are approximate and subject to change

[#]Wednesday, April 4 is reserved for Assessment Day. Regular classes will not meet, but students are expected to participate in University-Wide Assessment Activities. Students may obtain a list of activities from their respective department chairs. Undecided students should go to their college offices for a list of Assessment Day activities. Regularly scheduled classes will resume at 4:00 P.M.