

# Chemistry 211 – Principles of Chemistry I

## Fall 2014

Instructor: Dr. Scott Day

Phone: (304) 696-7054

Office Hours: MW 1:00 – 4:00 or if I'm here just drop by

Lecture Room: Science Building 473

Course Credits: 3

Course PR: MTH ACT of 23 or "C" or better in CHM 111

Office: Science Building 479

E-mail: [day17@marshall.edu](mailto:day17@marshall.edu)

Time: MWF 9:00 – 9:50

**Required Materials:** *Chemistry: The Science In Context* 3<sup>rd</sup> Ed. by Gilbert, Kirss, Foster and Davies and a subscription to SmartWork online homework

MU online will be used to post notes and exam keys. Instructions for enrolling in our SmartWork course are available on MU online.

### Course Description:

A study of the properties of materials and their interactions with each other. Development of theories and applications of the principles of energetics, dynamics and structure. Intended primarily for science majors and pre-professional students.

### Course Objectives:

1. To learn vocabulary, to classify and name chemical materials and to develop 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. Absences from exams can only be made-up if the absence falls within one of the categories outlined in the undergraduate catalog. **All make-up exams will be given on December 5.** It is your responsibility to arrange a time on that date for take the make-up exam. Excused absences must be obtained as soon as possible.

### Grading:

The grade for this class will be determined from the SmartWork online homework, four in-class exams 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% of your final grade. The material for the tests will come from lectures, homework problems and the corresponding chapters from the textbook. 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

## **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](http://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](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 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. Please turn off cell phones during class, failure to do so may result in dismissal from lecture.

## **Suggested Activities for Success:**

1. Read the 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/uc/tutoring-services/>)
  - d. Helpful website: <http://science.marshall.edu/castella/c211.html>
5. Exercise regularly and maintain a healthy diet.

## Schedule:

Week	Chapter	Notes	Homework <sup>#</sup>
August 25	1		
September 1	2		Ch. 1 due Wed.
September 8	3		Ch. 2 due Wed.
September 15	4	<b>Exam 1 (chs. 1-3) Wed.</b>	Ch. 3 due Mon.
September 22	4/5		
September 29	5		Ch. 4 due Mon.
October 6	6	<b>Exam 2 (chs. 4-5) Wed.</b>	Ch. 5 due Mon.
October 13	6/7		
October 20	7		Ch. 6 due Mon.
October 27	7/8	<b>Exam 3 (chs. 6-7) Fri.</b>	Ch. 7 due Wed.
November 3	8		
November 10	8/9		Ch. 8 due Fri.
November 17	9/10	<b>Exam 4 (chs. 8-9) Wed.</b>	Ch. 9 due Tues.
November 24		<i>Thanksgiving Break</i>	
December 1	10	Make-up exams 12/5	Ch. 10 due Thurs.
December 6		<b>Final Exam</b> Saturday from 10:00 a.m. – 12:00 p.m.	

<sup>#</sup> Homework is due at 11:59 p.m.

\*Exam dates are approximate and subject to change