CHM-211: Principles of Chemistry I
Fall 2013
Course Syllabus
Section 106

Lecture Instructor: **Dr. Rosalynn Quiñones**
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Lecture Meeting Times: Science Building 473 MW 4:00 – 5:15pm
Course Credits: 3
Office Hours: MW 9:00am–12:00pm or by appointment. I welcome drop-in visits, but cannot guarantee that I will be available to help you during non-office hours. Simple questions can be answered via email.
Prerequisites: Mathematics ACT of 23 or higher (Math SAT of 540) or consent of instructor

Course Overview:
    Welcome to Principles of Chemistry! In this course, the students will be introduced to the principles behind chemistry. The purpose of this course is providing the necessary background to choose the most appropriate instrumental method to solve qualitative and quantitative chemical problems efficiently.
    One of the main objectives of this course is to promote active learning that will be accomplished by having students using "clickers" questions in the classroom. Problem solving skills and critical thinking will be improved by engaging students solving activities in lecture, and learn to search and read the chemical literature in order to address problems associated with chemistry understanding the world we see, and the world of atoms and molecules.
    My main goal is to turn students in to scientist and not train them to be technician. By doing so, students become more enthusiastic about learning and understanding chemical theories.

Student Learning Objectives:
    Students will:
1. Understand the chemical theories related to: atomic theory, chemical bonding, kinetic molecular, and intermolecular forces.
2. Apply these theories to problems in order to explain chemical realities.
3. Acquire problem solving skills during different assessments; in groups and individually.
4. Obtain, utilize, and assimilate information from the body of work known as the chemical literature.
5. Mathematical assess qualitative and quantitative data obtained by various tools.

Materials
Lecture: Text: Chemistry: The Science in Context, 3rd Edition by Gilbert, Kirss, Foster, and Davies; a Subscription to Smartwork online homework; Scientific Calculator; Notebook; clicker
Examination: Scientific Calculator; Pencils

Attendance
Attendance for this course is optional, but strongly encouraged. Absences from exams can only be made-up if the absence falls within one of the categories outlined in the undergraduate catalog. 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. You are responsible for all announcements and material given during class. A tentative lecture schedule of topics is attached.

Course Policy

Clicker You can purchase a clicker from the bookstore or you can purchase one from the online store through Turning Technologies, our university-adopted clicker company. You have the option of buying a license to use clickers for one year for $15 by going to this company store. This is called the "Response Ware" annual license option. Or you can buy the clicker from this website or buy one in the bookstore. You need to have either the wireless application or an actual clicker purchased by the beginning of week 2 or you will not obtain clicker points for the days you do not have a clicker. To access the on-line store:
Visit: store.turningtechnologies.com
The school code for Marshall is: *mar1*

Course Assessments
Exams: There are 4 (four) exams which will be given during the lecture period. The exams will consist of multiple choices, essay questions, and problem solving in which all steps leading to the solution must be shown.
Final Exam: The final exam is a cumulative departmental exam. This exam will be given during final exam period.
Re-grades will be considered within one day of the exam being returned. If you request a re-grade, the entire assignment will be reviewed. This may result in either the loss or gain of points.

Homework is very important and useful to enhance the comprehension of the material. Homework will be assigned with each chapter and will be submitted online using SmartWork. Some homework will be discussed by the student during the lecture to promote active learning. It will be *very difficult* to do well in this class without doing the homework. Doing practice problems is the best way to learn the material.
Late work: Late work will be penalized one point per day. No assignments will be accepted more than 4 days late.
STUDENT SELF-REGISTRATION
Students have to create a SmartWork account and self-enroll into your class following the "First Time User" instructions at http://smartwork.wwnorton.com
Students will need:
1. A valid email address
2. The enrollment key for your course: **CHEM35076 (case-sensitive).**
3. A registration code from W.W. Norton. This proof-of-purchase allows students to access your course after their free two-week trial period expires.

Course Point Allocation	
4- 1 hour exams (100 points each)	**400 pts**
Online homework (50 points)	**50 pts**
"Clickers" questions (50 points)	**50 pts**
Final cumulative exam	**200 pts**
Total	**700 pts**

Grade Scale

Grade Chart	
100-90	A
89-80	B
79-70	C
69-60	D
59-0	F

Miscellaneous policies
I have an Open Communication Policy: If you are having trouble with a problem, concept, or anything class related please do not hesitate to email me or come by my office. Please silence cell phone ringers during class or exams. The instructor reserves the right to answer any ringing cell phones during lecture, or to dismiss the offending student. Use of cellphones / PDAs / MP3 players and similar devices during tests and exams will be considered academic dishonesty. Recording of lectures without the instructor's permission is prohibited. Laptops should not be used during class without permission. The content of this course will adhere closely to the information contained in the textbook. You may use other resources (alternate texts, notes from other professors, etc.). If you find information that contradicts something written in the textbook or said in the lecture, please consult Dr. Quiñones. Class announcements may occasionally be made via email to your university email address. Please check it on a regular basis. Lecture notes and handouts will be posted at MU Online as time permits.

Academic Honesty
The university policy will be enforced. See page 69 of the 2013-14 undergraduate catalog. Some examples of academic dishonesty include (but are not limited to) copying another student's assignment, lying about being ill on the day of a test, using a cell phone or other communication device during a test, quoting an author's writing (including material found on the internet) without giving due credit.
http://muwww-new.marshall.edu/catalog/files/2013/07/UG_13-14_preliminarypublished_noplans.pdf

Incomplete Coursework
The university policy will be enforced. See page 92 of the 2013-14 undergraduate catalog.
http://muwww-new.marshall.edu/catalog/files/2013/07/UG_13-14_preliminarypublished_noplans.pdf
D/F Repeat Rule
See page 87 of the 2013-14 undergraduate catalog.
http://muwww-new.marshall.edu/catalog/files/2013/07/UG_13-14_preliminarypublished_noplans.pdf

Accommodations for Disabilities
Students with disabilities must contact the Office of Disabled Student Services in Prichard Hall 117, phone 696-2271 to provide documentation of their disability to ensure proper accommodation. Please visit http://www.marshall.edu/disabled for additional information.

Tentative Course Schedule

Weeks	Lecture
Aug. 26- 30	Chapter 1
Sept. 2	*Labor day-No classes*
Sept. 3 - 6	Chapters 2
Sept. 9 -13	Chapters 3
Sept. 16-20	Chapter 3, 4
Sept 18	*Exam 1 (Chapters 1-3)*
Sept. 23-27	Chapter 4
Sept. 30- Oct. 4	Chapters 5
Oct. 7-11	Chapter 5, 6
Oct. 9	*Exam 2 (Chapters 4-5)*
Oct. 14-18	Chapter 6
Oct. 21-25	Chapter 7
Oct. 28 Nov. 1	Chapter 8
Nov. 4- 9	Chapter 8, 9
Nov.6	*Exam 3 (Chapters 6-8)*
Nov. 11- 15	Chapter 9
Nov. 18-22	Chapter 10
Nov. 25- 29	*Thanksgiving break – No classes*
Dec. 2 - 6	Chapter 10, 11
Dec. 4	*Exam 4 (Chapters 9-10)*
Dec. 6	*Last day of Classes*
Dec. 7 (Saturday)	Final Exam- 10:00am