Course Title/Number	**Foundations of Chemistry / CHM 111, Section 203**
Semester/Year	Spring 2017
Days/Time	11:00-11:50 AM MWF
Location	465 Science Hall
Instructor	Dr. Bin Wang
Office	241L Byrd Biotechnology Science Center
Phone	(304) 696-3456
Email	wangb@marshall.edu
Office Hours	2:00-5:00 PM Tuesday & Thursday, or by appointment
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 http://www.marshall.edu/academic-affairs/policies/ Academic Dishonesty / Excused Absences / University Computing Services' Acceptable Use / Inclement Weather / Dead Week / Students with Disabilities / Academic Dismissal / Academic Forgiveness / Academic Probation and Suspension / Affirmative Action / Sexual Harassment

Course Description

This course will introduce students to basic chemical facts and concepts. Topics will include units, dimensional analysis, nomenclature, solutions, atomic structure, and stoichiometry. 3.00 credits. Prerequisite: MTH ACT of 21 or better, or grade of C or better in MTH 127 or equivalent.

Course Objectives

1. To introduce students to the vocabulary, concepts, and intellectual machinery of chemistry.
2. To introduce students to various kinds of problem solving as applied in chemistry and science in general.
3. To encourage students to develop the "habits of successful students".
4. To give students the background needed to pass CHM 211.

Required Texts, Additional Reading, and Other Materials

1. "*Foundations of College Chemistry Abridged for CHM 111*" by Hein; John Wiley & Sons, Inc. *ISBN: 978-1-11991-870-7*
2. access to the ALEKS online homework system
3. access to MU Online and a Marshall email account
4. non-programmable calculator for quizzes, tests, and final exam
5. #2 pencil for quizzes, tests, and final exam

Grading Policy

ALEKS exercises	20	points
quizzes (4 during the semester)	10	points
tests (4 during the semester)	50	points
final exam	20	points
	100	**TOTAL POINTS**

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

Attendance Policy

Attendance is highly recommended. In general, missed quizzes and tests may not be made up except in the case of an excused absence, according to university policy. In the case that class is cancelled due to inclement weather or an emergency on the day of a scheduled quiz/test, the quiz/test will be given in the next scheduled class period. If student tardiness becomes a significant distraction during lecture, the instructor reserves the right to refuse admission to tardy students.

Miscellaneous Policies

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 cell phones / PDAs / MP3 players and similar devices during quizzes, tests, and final exam will be considered academic dishonesty. Recording of lectures without the instructor's permission is prohibited. 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. Wang. Class announcements may occasionally be made via email to your university email address. Please check it on a regular basis. Lecture slides will be posted at MU Online.

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 assigned no matter how difficult.
3. Always attend class and take good notes.
4. Seek help from others, some possibilities:
    a. Take advantage of office hours.
    b. Work in small groups on studying for quizzes, tests, and final exam.
5. Exercise regularly and maintain a healthy diet.

Tentative Schedule

	Monday	Wednesday	Friday
Week 1 1/9 - 1/13	Syllabus, ALEKS, Chapter 1	Chapter 1/2	Chapter 2
Week 2 1/16 - 1/20	*Martin Luther King, Jr. Holiday*	Chapter 2	Chapter 2
Week 3 1/23 - 1/27	Chapter 3	Chapter 3	Chapter 3/4
Week 4 1/30 - 2/3	Chapter 4	Chapter 4	Quiz 1 (Chapters 1-4)
Week 5 2/6 - 2/10	Review Chapters 1-4	TEST 1 (Chapters 1-4)	Chapter 5
Week 6 2/13 - 2/17	Chapter 5	Chapter 5/6	Chapter 6
Week 7 2/20 - 2/24	Chapter 6	Chapter 6	Quiz 2 (Chapters 5-6)
Week 8 2/27 - 3/3	Review Chapters 5-6	TEST 2 (Chapters 5-6)	Chapter 7
Week 9 3/6 - 3/10	Chapter 7	Chapter 7	Chapter 8
Week 10 3/13 - 3/17	Chapter 8	Chapter 8	Chapter 9
3/17 is the last day to drop an individual course			
Week 11 3/20 - 3/24	*Spring Break*		
Week 12 3/27 - 3/31	Chapter 9	Chapter 9	Quiz 3 (Chapters 7-9)
Week 13 4/3 - 4/7	Review Chapters 7-9	TEST 3 (Chapters 7-9)	Chapter 10
Week 14 4/10 - 4/14	Chapter 10	Chapter 10	Chapter 11
Week 15 4/17 - 4/21	Chapter 11	Chapter 11	Quiz 4 (Chapters 10-11)
Week 16 4/24 - 4/28	Review Chapters 10-11	TEST 4 (Chapters 10-11)	Review
4/29 SATURDAY 10:00 AM FINAL EXAM (location TBA)			