SYLLABUS CHM 211 Spring 2017

Instructor: Dr. Leslie Meadows Frost 464 Science (office) 401 Science (lab)
email Frost@marshall.edu (best way to contact me)
Course material will be posted on muonline.

Days/Time/Location: MWF 9:00-9:50 AM, Science Hall 473

Office Hours: Official office hours will be MW 10-11 AM and T 9-11 AM
During office hours I may be in either my office or laboratory (401). Please check both places for me. If you cannot come by during scheduled office hours or have questions at other times, please feel free to drop by my office (464) or lab (401) at any time.

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 www.marshall.edu/academic-affairs/policies/.
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

Statement of Course: CHM 211 Principles of Chemistry I
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. A corequirement for this course is the accompanying laboratory course CHM 217.

Prerequisites:
All students taking this course are required to have a score of 23 or better for math on the ACT, or C or better in CHM 111, or pass the placement exam.

Required Text and Materials:
1. Free Chemistry Textbook- Can be downloaded as a pdf file, viewed on the Web, or downloaded as an interactive ebook for apple products.
   https://openstaxcollege.org/textbooks/chemistry/get
2. ALEKS access
3. access to MU Online and a Marshall email account
4. non-programmable calculator for exams (it must not have keys for the alphabet)

Optional Text:
1. *Principles of General Chemistry, Third Edition* by Martin S. Silberberg, McGraw-Hill, 2013.

SCHEDULE:

Week Of:	**Chapter**	**Exams-Approx.**
Jan. 9	1-2	
Jan. 16	2	No class on Jan. 16
Jan. 23	3(3&4)	
Jan. 30	3(3&4)	**1st Hour Exam Feb. 1**
Feb. 6	4 (3&4)	
Feb. 13	4-5	

Feb. 20	5(9)	**2nd Hour Exam Feb. 22**
Feb. 27	6(5)	Midterm Grades Due
March 6	7(6)	
March 13	8(6)	**March 17**-Last Day to Drop Class
March 20	Spring Break	
March 27	9(7)	**3rd Hour Exam March 29**
April 3	9, 10(7)	
April 10	10(7)	
April 17	11(8)	**4th Hour Exam April 19**
April 24	11, Review	

******* Final Exam- April 29, 2017 Saturday, 10:00 AM************

Your grade will be determined as follows:

ALEKS(online)	100 points
Hour Exams	400 points
Final Exam	100 points

Exam dates are approximate (except for the final exam). You will be given 1 week prior notice before all exams. You must have a university excuse for missing an exam to be able to take a make-up exam. The make-up date will be May 3rd at 10 AM. Talking to each other and/or sharing calculators is not permitted during an exam. All calculators will be checked prior to every exam. Programmable calculators will **not** be permitted for use on tests. If you are caught cheating on any exam, you will automatically receive a grade of 0% for that exam. **Attendance for this course is optional, but strongly encouraged.**

Grading Scale:

90-100	A
80-89	B
70-79	C
60-69	D
59 or lower	F

Students with a course grade of D or F cannot register for CHM 212.

ALEKS:

You will be required to complete the online ALEKS component for this course. Additional information for ALEKS will be posted on MUOnline. Your objectives scores will determine your overall points out of a possible 100 points.

1) Objective completion- points are earned by completing objectives by the due date. Your lowest individual objective score will be dropped before calculating the Objective score.

Additional Homework:

Each student is to prepare for each class by reading the material covered in the previous class, answering the relevant problems at the end of the chapter, and previewing the material in order to anticipate the next class lecture. Problem sets for each chapter are available at muonline. These are very important, because the problems on these handouts will be the same type of problems that will appear on the exam. The answers to the problem sets are located at the end of the questions, and I will also be posting a copy of worked out answer keys on the bulletin board by my office. Copies of my old tests and answers can also be found online. You are to practice the problems from each chapter in the book. Sample Problems and follow-up problems located within each chapter are excellent sources of additional problems because detailed explanations on working out each

problem are provided in the textbook. You can also chose problems highlighted in blue at the end of each chapter, as the answers for these are in the back of the book.

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 classify matter and chemical reactions.	• lectures • textbook readings • ALEKS exercises • Problem Sets	• tests and ALEKS
Students will apply principles of atomic structure and bonding theories to describe how matter is composed.	• lectures • textbook readings • ALEKS exercises • Problem Sets	• tests and ALEKS
Students will apply mathematical techniques to describe reactions, physical properties, and energies of matter.	• lectures • textbook readings • ALEKS exercises • Problem Sets	• tests and ALEKS
Students will identify and explain trends in physical and chemical properties.	• lectures • textbook readings • ALEKS exercises • Problem Sets	• tests and ALEKS

Miscellaneous Topics

● **Academic Dishonesty:** Marshall University's academic honest policy (http://www.marshall.edu/academicaffairs/Academic%20Dishonesty%20Policy.pdf) will be enforced. Any student caught cheating in this course will receive 0 points on that assignment or exam.

● **"Policy for Students with Disabilities:** Marshall University is committed to equal opportunity in education for all students, including those with physical, learning and psychological disabilities. University policy states that it is the responsibility of students with disabilities to contact the Office of Disabled Student Services (DSS) in Prichard Hall 117, phone 304 696-2271 to provide documentation of their disability. Following this, the DSS Coordinator will send a letter to each of the student's instructors outlining the academic accommodation he/she will need to ensure equality in classroom experiences, outside assignment, testing and grading. The instructor and student will meet to discuss how the accommodation(s) requested will be provided. For more information, please visit http://www.marshall.edu/disabled or contact Disabled Student Services Office at Prichard Hall 11, phone 304-696-2271."

● If a test falls on a day that is cancelled by the university (e.g. a snow day), the test will occur on the next period the class meets.

●Please turn off cell phone ringers before class. Failure to do so may result in you being removed from the room, even during a test.

● You may not record my lectures without my permission and under no circumstances may they be posted, transferred, or reproduced to any form of media (Internet, print, television, and the like) without my permission.