|  |  |
| --- | --- |
| Course Title/Number  | **Foundations of Chemistry / CHM 111, Section 201** |
| Semester/Year | Spring 2015 |
| Days/Time | 9:00-9:50 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 | 1:30-4:30 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 MTH 130 |

**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.
2. access to the Sapling Learning online homework system
3. access to MU Online and a Marshall email account
4. non-programmable calculator for quizzes, tests, and exams (it must not have keys for the alphabet)
5. #2 pencil for quizzes, tests, and exams
 |

**Grading Policy**

|  |
| --- |
| homework 15 pointsquizzes (4 during the semester) 5 pointstests (4 during the semester) 60 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 test, the 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 tests, quizzes, 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. 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:
	1. Take advantage of office hours.
	2. Work in small groups on studying for quizzes, tests, and the final.
5. Exercise regularly and maintain a healthy diet.
 |

**Tentative Schedule:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Monday | Wednesday | Friday |
| Week 11/12 - 1/16 | Syllabus, Sapling Learning, Chapter 1  | Chapter 1/2 | Chapter 2 |
| Week 21/19 - 1/23 | *Martin Luther King, Jr. Holiday*  | Chapter 2 | Chapter 2 |
| Week 31/26 - 1/30 | Chapter 3 | Chapter 3 | Chapter 4 |
| Week 42/2 - 2/6 | Chapter 4 | Chapter 4 | Quiz 1 (Chapters 1-4) |
| Week 52/9 - 2/13 | Review Chapters 1-4 | TEST 1 (Chapters 1-4) | Chapter 5 |
| Week 62/16 - 2/20 | Chapter 5 |  class cancelled | class cancelled |
| Week 72/23 - 2/27 | Chapter 5/6 | Chapter 6 | Quiz 2 (Chapters 5-6) |
| Week 83/2 - 3/6 | Review Chapters 5-6 | TEST 2 (Chapters 5-6) | class cancelled |
| Week 93/9 - 3/13 | Chapter 7 | Chapter 7 | Chapter 7 |
| Week 103/16 - 3/20 | *Spring Break* |
| Week 113/23 - 3/27 | Chapter 7/8 | Chapter 8 | Chapter 8/9 |
| *3/27 is last day to withdraw from full-semester courses* |
| Week 123/30 - 4/3 | Chapter 9 | Chapter 9 | Quiz 3 (Chapters 7-9) |
| Week 134/6 - 4/10 | Review Chapters 7-9 | TEST 3 (Chapters 7-9) | Chapter 10 |
| Week 144/13 - 4/17 | Chapter 10 | Chapter 10 | Chapter 11 |
| Week 154/20 - 4/24 | Chapter 11 | Chapter 11 | Quiz 4 (Chapters 10-11) |
| Week 164/27 - 5/1 | Review Chapters 10-11 | TEST 4 (Chapters 10-11) | Review |
| **5/2 SATURDAY 10:00 AM FINAL EXAM (location TBA)** |