College of Charleston Department of Chemistry and Biochemistry
Chemistry 111- Principles of Chemistry I- Syllabus- Spring 2016

Instructor: Dr. Farah Jafri, PhD  
Office Hours: Mon, Wed and Fri  
10:30 am - 11:30 am

Phone: 843-810-9599  
Email: jafrif@cofc.edu

Course goals:
The goal of this course is for the students to understand the introductory fundamentals of chemistry. Chapters 1-12 cover all the topics that is required to have a strong foundation for upper level courses in the Chemistry Department.

Student Learning Outcomes:
1- Know the definition of chemistry and the scientific method.
2- Express common mathematical techniques in the solving of chemistry problems.
3- Understand the role of the atom in chemistry.
4- Distinguish, classify, and explain the properties of compounds.
5- Recognize and explain the fundamental nature of chemical reactivity.
6- Differentiate and describe the principles of the phases of matter.

General Education Learning Outcomes:
- Students apply physical/natural principles to analyze and solve problems.
- Students will develop an understanding of the impact that science has on society.

Course material:


DO NOT SELL YOUR TEXT BOOK AT THE END OF THE SEMESTER IF YOU ARE CONTINUING ON TO CHEM.112.

Calculator: You will need a non-programmable calculator for exams. You will need to bring this calculator to class everyday. Programmable calculators will not be allowed. I would suggest the following available at office depot (store or online) for $9.99(TI-30Xa scientific calculator). Please bring your calculator to class.
**Homework:** The key to the success in this class is doing chemistry problems again and again. If you are not working out problems every single day you will not do well in this class. You will be expected to work through the assigned end of chapter questions. These will not be graded or collected. Nonetheless they are the key to your success. You must monitor your success and get help if you need it. Problems from the book will be assigned for each topic we cover. It is recommended you do all homework problems, as exams will be drawn in part from these types of problem. I am willing to help you, but for the most part learning chemistry is lonely, time consuming and difficult lesson in self discipline. *It is your responsibility to learn how to work the problems.*

**E-mail:** I will communicate with the class using email. There may be class updates via email. It is your responsibility to make sure that your College email account is updated in My Charleston in your profile. It is your responsibility to read your email. I will be sending out notes for each chapter after completing the chapter in class on OAKS.

**Attendance:** I will take attendance. Do not miss class. If you chose to miss class it is your responsibility to find a classmate who will share notes with you. You will get zero for any missed quizzes.

**Quizzes:** There will be in class or take home quizzes. There will be 11 quizzes overall and it will cover 19% of your grade. **One quiz with lowest grade will be dropped.**

**Tests:** There will be 4 Tests plus Final Exam, see schedule on next page of the syllabus. If you know you will miss a test for a school sponsored event, you must contact me as soon as possible (send an email), so that we can take the test early. There is **NO MAKEUP TEST.** An unexpected absence on the day of test will result in zero on that test. If you have an excused absence documented by the Dean of undergraduate studies for any one of the test 1-4 your remaining 3 test score will be weighted more heavily towards the final course grade to compensate for the missed test. Even if you have a good excuse, you may not miss more than one test. This means you will also be dropped from Chem.111, so don’t miss test.

**Hourly Exams**

**Test Schedule:** The following are the tentative dates for the exams depending on school closing for weather. **These dates are subject to change.**
Test 2 (ch. 4-6): 19th Feb. 2016
Test 4 (ch. 10-12): 15th April 2016

The test make up 60% of your final grades. So please DON’T MISS THE TEST.

FINAL EXAM: 25 April 2016 Monday 8:00 AM-11:00 AM

The final exam is the cumulative over the entire semester and is timed (110 min) American Chemical Society standardized test. It is weighted to count 20% of your overall grade. DO NOT BE LATE. You should be on campus at least 30min before the start of final exam and be on your seat at least 5min prior to the start of the final exam. It is timed multiple choice test. You will have 110min to complete 70 multiple choice questions.

The following statement is from the undergraduate catalog:

Examination must be taken at the time scheduled except when:

1- Two or more exams are scheduled simultaneously.
2- The student has 3 or more examination within a 24 hr period.
3- Permission to reschedule one exam may be obtained from the office of the Registrar with written permission of the instructor and must be obtained prior to first day of the exam.

Deportment Grade: To maintain a classroom environment that is conducive to learning. I expect certain behavior from students in my classes. Students that text, giggle, sleep, chatter, whisper, whine, arrive late, leave early and come unprepared are disrupting their fellow students learning experience 1% of your grades is subjective deportment grade. I don’t want to notice anything about you in class other than your attentiveness or your thoughtfulness, polite questions. At some point in your career as a college student, you will be requiring oral or written recommendation from your professors here. In all of your courses you should start behaving like ideal student you want us to write about.

Disabilities: If there is a student in this class who has a documented disability and has been approved to receive accommodations through SNAP services. Please feel free to come and discuss with me during my office hours.

Grading: Your final grade will be calculated by following formula:
Quizzes: 19%
Tests: 60%
Deportment: 1%
Final Exam: 20%

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