

GENERAL INFORMATION SHEET
GENERAL CHEMISTRY II
SPRING 2010 - SECTION 0297

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Course Description: General Chemistry II is the second installment of a beginning course in the principles of chemistry, with emphasis on theory and its application to structure and reactions. The course will cover topics including solution chemistry, thermodynamics, equilibrium, kinetics, acid-base chemistry and electrochemistry.

Prerequisites: Successful completion of CHEM 1364 and CHEM 1361, or equivalent.

Required Material: CHEMISTRY: The Central Science (11th ed.) by Brown et. al., the *Mastering Chemistry* program, and a 'scientific' hand-held calculator. You will be required to provide your own calculator for all quizzes and tests. *Study guides and supplements for this course may be available, but are not required.*

Class Meetings: January 11th to May 3rd; 8:00 - 8:50 am MTWR in SC 205. The instructor reserves the right to extend class periods to compensate for missed class time during travel.

Homework (Part 1): Homework emphasizing important concepts from the lecture will be assigned periodically. These homework assignments will not be collected.

Homework (Part 2) and Quizzes: The *Mastering Chemistry* program will be used for graded homework. Although the number of assignments using this program is not fixed, it will be about one assignment per chapter using this program. Quizzes may also be given periodically - with each quiz equivalent to a homework assignment. The MasteringChemistry course ID is CHEM1474SP100297

Tests: Four examinations (NOT including the final) will be given during the semester. Tentatively, Test 1 will cover Chapters 11 and 13; Test 2 will cover Chapters 14 and 15; Test 3 will cover Chapters 16 and 17; Test 4 will cover material from Chapters 19 and 20. Tests will be about every 3 ½ - 4 weeks.

Final: *Two finals will be given; only one will be used to determine your final grade!*

- 1) Wednesday, May 5th, from 8-10 am (ACS standardized final) Your letter grade assigned after this test will be a guaranteed **minimum** for the course. The score on the ACS test will be worth 5% of your overall grade if you *do not* use it as your final - used as your final it will be worth 25% of your grade.
- 2) You may chose to attempt to improve your grade by taking the second final on Thursday, May 6th, from 12:30-2:30 pm. This final will **replace** 20% of the ACS Final *if it improves your letter grade*. This test will be divided into four sections that correspond to the four hour exams. Your score for the hour exam will be the greater of your hour exam percentage or 90% of your percentage on the corresponding section on the final.

Make-up Policy: Tests, quizzes, and homework assignments may not be made up. In the event you have a conflict with a scheduled exam or quiz, it may be possible to take the exam or quiz early. This privilege is entirely up to the discretion of the instructor.

Attendance: Attendance is required; however, detailed attendance records will not be kept during lecture. Since tests cover the material discussed during the lecture, it is to your advantage to attend all class meetings. If you miss a lecture, you are still responsible for the material covered during that period. As a courtesy to the rest of the class, wireless devices with an audible notification feature (cell phones, pagers, etc.) must be either turned off or set to the 'vibrate' or 'silent' mode, except in the case of an emergency. If you do have an emergency, please notify the instructor before class of the nature of the emergency and that you will need to have these devices turned on during class. Use of a wireless communication device during class in the classroom will not be tolerated without prior instructor approval.

Grading: Your final grade will be based on total percentage, with graded homework from the *Mastering Chemistry* program and quizzes accounting for 15%, hour exams for 60%, and the final for 25% of your final grade. The grading scale will be 100-85% (A); 85-70% (B); 70-60% (C); 60-50% (D). A grade of F will be assigned to anyone who has below a 50% OR to anyone caught cheating in this course. As the instructor I reserve the right to award letter grades higher than the percentage earned would guarantee.

Teaching Philosophy: My belief is that you are an adult, and therefore are ultimately responsible to do what is necessary to succeed in this class; therefore I do not take attendance nor do I collect homework assignments - you are expected to do both of these to help you understand the presented material. I further believe the best learning environment is a relaxed, interactive environment. I rely on feedback from you to help me guide you through areas with which you are having difficulty. From my perspective, a lack of questions over a section of lecture or homework implies understanding, so I encourage questions over areas that you are struggling. I also believe that the class needs to set its own pace for covering the material - this is why there are no 'fixed' test dates. However, there is a certain amount of material that has to be covered, so there is not unlimited flexibility in this pace.

Office Hours: See posted schedule. Hours indicated as 'on campus' I may or may not be available in my office - you are welcome to stop by and check. I will also make appointments for office hours outside the posted hours if necessary.

It is the policy of Cameron University to accommodate students with disabilities, pursuant to federal and state law. Students with disabilities who need classroom accommodations must make their requests by contacting the Office of Student Development at (580) 581-2209, North Shepler Room 314.