Syllabus

CHM 2046 Fall 2011

Lecture Hours  Monday/Wednesday/Friday Period 8

Instructor  Prof. Col.* Charles R. Martin  crmartin@chem.ufl.edu
*Honorable Order of Kentucky Colonels

Instructor's Office  218 Chemistry Laboratory Building (CLB)

Office Hour  Mondays 1:00 to 2:30 PM

Text  “Principles of General Chemistry,” 2nd Edition by Silberberg

Discussion Section  You must co-register for a Tuesday discussion section

Prerequisite  A grade of C or higher in CHM 2041 or 2045 and CHM 2045L

Calculator  You must have your own scientific calculator. No graphing calculators or calculators that store equations or other data. You will need your calculator for the quizzes and exams. Calculators will not be provided, and they may not be shared.

Course Information  In CHM 2046 we discuss details of subjects introduced in CHM 2045 such as acid/base chemistry, solubility product equilibrium, thermodynamics and the random walk. We also introduce electrochemistry and nanoscience. It is imperative that students read the assigned chapters from the text, attend all lectures, and work the recommended homework problems.

Material Covered - Chaps. 17, 18, 19, 20, 21, and a special topic at the end of the semester - Nanoscience.

Recommended Homework -

Chap 17 – 3,6,11,15,18,22,24,28,33,39,41,45,51,53,55,59
Chap 18 – 4,7,11,16,18,25,30,32,34,47,49,53,60,62,66,73,74,79,83,87b,90,92
Chap 19 – 10,12,16,18,25,29,33,39,46,48,50,54,58,72
Chap 20 – 6,10,12,14,18,20,26,28,32,37,39,40,46,52,55,60,64a
Chap 21 – 5,7,10,16,20,22,25,29,31,33,42,45,51,53,57,60,68,70,76,80,84

OVER
IMPORTANT DATES

Quiz 1 Tuesday September 13 (In discussion section)
Exam 1 Tuesday September 20 (Periods E2 –E3) location TBA
Quiz 2 Tuesday October 18 (In discussion section)
Exam 2 Thursday October 27 (Periods E2 –E3) location TBA
Quiz 3 Tuesday November 22 (In discussion section)
Exam 3 Wednesday November 30 (Periods E2 –E3) location TBA
Last Class Wednesday December 7
Final Exam Monday December 12 (3:00-5:00 PM) location TBA

Grading – You will be allowed to drop one quiz and one test but not the final exam.
Grading will be based on 800 total earnable points as follows:

Tests 2 best test scores x 200 points per test = 400 points
Quizzes 2 best quiz scores x 50 points per quiz = 100 points
Final Exam (cumulative) 300 points
Total Earnable Points 800 points

Point Total vs. Letter Grade Cutoffs - The grade cutoffs are as follows: (Each number is the lowest point total for the indicated grade.) A = 705 points, A- = 681 points, B+ = 657 points, B = 625 points, B- = 601 points, C+ = 577 points, C = 545 points, C- = 520 points, D+ = 496 points, D = 465 points.

Makeup Policy - Because you will be allowed to drop one exam and one quiz, NO MAKEUPS WILL BE OFFERED. If you miss an exam or a quiz, that will be the exam/quiz that you drop. No exceptions will be made.

Disputed Grades – You have 48 hours after a quiz, exam or the final exam to dispute the score. After that, all scores are final.

Getting Help – In addition to your instructor’s office hours, your discussion section TA will have office hours. Help is also available on a regular basis on the east side of the Chemistry Learning Center (CLC), which is in Flint Hall 257-258. You may ask for help from any TA who is on duty in the CLC.

Policy on Cheating – The only information that you can use on a quiz or exam is that information which is in your memory on that day. Bringing information into the exam in any other form - for example, a written “cheat sheet,” information programmed into your calculator, information sent to you via pager, etc., etc. – is cheating. Furthermore, simply having such illicit information in the test room is cheating. In addition, copying from a neighbor’s test is cheating. Finally, since there are many creative ways to cheat, I simply cannot define all of them in advance here. So the bottom line is – the instructor will define what is cheating, and any student caught cheating in any way will receive a score of zero on that quiz or exam. If a student receives a zero for cheating, that grade will not be eligible for dropping.