

**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
	Confirm this date

**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)	<u>300 points</u>
	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.