ORGANIC CHEMISTRY I
CHM 2210.0003
Fall 2012


Course Key Code: 84900

Time: 6:00-7:20 PM TTh

Room: CL1 0104

Instructor: Professor Delbert Howard Miles

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Office: CH 229
Office Hours: 1:00-3:00 PM TTH, 12:00-2:00 WF

I will be glad for you to talk with me anytime. However, please make an appointment in person or via the telephone to make sure that I am available.

Goals: To provide you with an understanding of electrons, bonds, molecular properties, acids and bases, alkanes, cycloalkanes, stereochemistry, chemical reactivity, mechanisms of reactions, substitution reactions, alkenes, alkynes, radical reactions, synthesis of organic molecules, alcohols, phenols, ethers, epoxides, thiols and sulfides

Classroom Attendance and Participation: I strongly urge you to ATTEND and BE ON TIME for every class. Classroom attendance improves your performance upon exams and could be a factor in your grade if you are a borderline case. As an example, suppose that you have an 89.5 average. This grade could be rounded to an 89 and be assigned a “B” grade or be rounded to 90 and assigned and “A” grade. Classroom attendance could be the factor in making this decision. You are strongly encouraged to ask questions and to participate. I will try to answer your questions. If I cannot answer your questions, then we will find the answer together after class. Classroom participation is a positive factor in a borderline grade situation.

Cheating: Academic dishonesty is defined in the UCF Handbook. Academic integrity is expected at all times in this class. If you are detected cheating, you will receive a warning. If you still persist in cheating, then you will receive a Z grade in the course (you can go to the UCF Web Site to read the Z grade policy).

Study Habits: (1) Read each chapter before you come to class, (2) Work a lot of problems (both the in chapter SKILLBUILDER problems and the END OF CHAPTER problems), (3) Have all homework prepared on time, (4) Attend every class and be to class on time.

Evaluation: We will have four (4) regular exams plus a final. The regular exams will be designed for 50 minutes. The final will be comprehensive. Each exam and the final will count 20% of your grade. The final exam can replace (count twice = 40%) one of your four exam grades if the final exam grade is higher than your lowest regular exam grade.

Your total grade will be placed upon a 10-point scale: A (90-100, excellent), B (80-89, good), C (70-79, average), D (60-69, poor), F (less than 60).

Exam Dates:  
Exam # 1 Thursday, September 13  
Exam # 2 Thursday, October 4  
Exam # 3 Thursday, October 25  
Exam # 4 Thursday, November 15  

Final Exam Tuesday, December 11 (4:00-6:50 PM)

Make-Up Exam: The first test that you miss for any reason will be replaced by the final exam grade counting twice. If you miss a second exam and have a legal reason (family activities, vacations, and trips with friends are not legal reasons) then you can make up that...
exam during the final exam period. If you desire to take a make-up test, you must inform me in writing at least one week prior to the final exam.

**Holidays:** Labor Day (Sept 3), Veteran's Day (Nov 12), Thanksgiving (Nov 22-24)

**Withdrawal Deadline:** Monday, October 29

**Modification of Syllabus:** I reserve the right to change the syllabus and exam schedule. It is assumed that the student will be present at every class period so changes in the schedule should not be a problem. In other words, don’t make plans that would conflict with any class meeting times. Taking this class is BUSINESS and quite possibly the most important BUSINESS of your life. Thus it is assumed that your priority will be to TAKE CARE OF BUSINESS in a fashion that will help you achieve EXCELLENCE and obtain YOUR CAREER GOALS.

**Homework Quizzes:** One or two homework problems from each chapter will be selected at random for a 10-15 minute weekly quiz counts that will count ten points toward the following exam grade. This will be a closed book quiz.

**Chapter Sequence and Homework:**

Chapter 1: A Review of General Chemistry, Electrons, Bonds, and Molecular Properties (38, 45, 49-61)

Chapter 2: Molecular Representations (42-49, 52-57, 63-64)

Chapter 3: Acids and Bases (36-37, 39, 43-47, 49-52)

Chapter 4: Alkanes and Cycloalkanes (41-45, 47-49, 53-55, 59-62)

Chapter 5: Stereoisomerism (32-42, 44-45, 49-55)


Chapter 7: Substitution Reactions 36, 38, 40-45, 48-56, 59-63)

Chapter 8: Alkenes: Structure and Preparation via Elimination Reactions (50-51, 53-55, 61-64, 67, 71-80)

Chapter 9: Addition Reactions of Alkenes (49-54, 57-60, 63-65, 68-71)

Chapter 10: Alkynes (35-46, 51-53, 57, 60-62)

Chapter 11: Radical Reactions (22, 24, 33-45)

Chapter 12: Synthesis (17-31)

Chapter 13: Alcohols and Phenols (30-31, 35-41, 43-52)

Chapter 14: Ethers and Epoxides: Thiols and Sulfides (30-31, 33-35, 39-51)

**Classroom Conduct:** (a) Cell phones, smart phones, computers, calculators or any other electronic device (iPod, MP3 player, etc.) are **NOT ALLOWED** and are strictly prohibited during exams. Any use of such devices will be considered an attempt to cheat on the exam and will result in a zero (0) grade on that exam. (b) Cell phones and smart phones **SHOULD NOT** be used at any time during any class period. **TURN OFF** all cell phones and smart phones **BEFORE** you enter the classroom door and **DO NOT TURN THEM ON AGAIN** until you have exited the classroom door. (c) Do not be late for class. (d) Do not leave class early. (e) Do not talk during class.

**In closing:** I hope that you have a good semester. I know that you will if you study hard and let me assist you when you need help.