Chemistry 314  
Organic Chemistry  
Fall 2013

Instructor: Dr. Michael Page  
email: mfpage@csupomona.edu  
Office: 4-1-432  
Phone: (909) 869-4533  
Office Hours:  
M/W 2:30p-3:45p;  
T/Th 10:30a-11:45am

Prerequisites: One year of General Chemistry.  
CHM 317L is NOT a co-requisite.

Required Materials:  

Ancillary Materials:  
Molecular Model Set from SAACS club and Bookstore

Reading:  
Selected materials from Chapters 1-6 and related outside materials will be covered. Students are responsible for all text material. Reading of the textbook prior to class is highly encouraged and is an optimal way to learn the material.

Examinations:  
Exam I (week 4): Fri. Oct. 25, 2013 (50 min.)  
Exam II (week 7): Fri. Nov. 15, 2013 (50 min.)  
Final: Sec. 3 Weds. 12/11/13 (9:10-11:10a)  
Sec. 4 Mon. 12/9/13 (11:30a-1:30p)

***Exams are required. No Makeup Exams Will Be Given. If you miss an exam, you must contact me prior to the exam and as soon as possible provide a written, official, acceptable excuse to validate your absence.***

Quizzes:  
There will be 5 quizzes (10 pts. each). Quizzes will be administered on Fridays, during the first 10-minutes only. (No make ups)

Homework (Optional):  
Problems will be assigned throughout the quarter. Each completed homework could earn you 6 points. Homework must be hand written and only selected problems will be graded.  
6 points: On time, complete, & checked problems solved correctly  
3 points: On time, complete, & checked problems w/some errors  
0 Points: Incomplete (or turned in late)

Success in this course is closely aligned with the amount of homework you complete and understand! A staple holding the problems from each chapter would be appreciated!

Point Distribution:  
Exam I: 100pts  
Exam II: 100pts  
Final: 200 pts  
Quizzes: 50 pts  
HW: 30 (Optional)
Grading: Grades will be assigned based on the percentage of points earned from the graded materials listed above. Grades will be assigned using +/- markings (i.e. A- and C+).
A (100-86%), B (85-70%), C (69-55%), D (54-45%)

Incompletes: An Incomplete will be granted only if a student is passing the course (C or better) and has a university-recognized excuse. Otherwise, a grade of WU (unauthorized withdraw) will be issued (e.g., if the final is not taken)

Academic Dishonesty: Any student who violates this code of integrity in the Universit Catalog shall receive a ‘0’ for that particular assignment, quiz, or exam and the incident will be forwarded to Judicial Affairs.

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CHM 314 Learning Objectives By Chapter (Wade text):

Chapter 1: Introduction and Review (Lewis Structures, resonance)

Chapter 2: Acid/Base (Proton Transfer) Reactions (*see Solution Manual Appendix 2)

Chapter 3: Structure and Properties of Organic Molecules

Chapter 4: Structure and Stereochemistry of Alkanes (confirmations & nomenclature)

Chapter 5: Study of Chemical Reactions (including free-radical halogenation)

Chapter 6: Nucleophilic Substitution Reactions (with an introduction to Eliminations)
Expected Outcome:

You should have a working knowledge of the basic principles of organic chemistry as described above. This preparation is essential for success in Chem 315 and 316. You must receive a C- or higher to move onto CHM 315. Success in the second and third quarters is built upon a strong foundation from the first quarter. Dedicate yourself to learning these fundamentals, and you may come to really like (or even love) this topic like I do!

Tips and Tools for Success: The next 10 weeks is similar to building a relationship

I the instructor agree to:
- Come to class prepared,
- Be an efficient communicator,
- Answer questions in class and in office hours,
- Provide you with a platform to gather an understanding of organic chemistry, and
- Challenge you on exams and quizzes to assess your level of understanding.

You the students agree to:
- Prepare by reading the text and reviewing previous lecture notes before class,
- Attend class (or get notes from a friend if you are occasionally absent),
- Be actively engaged in class through questioning and participation,
- Gain a greater understanding of organic chemistry by completing practice problems,
- Make use of office hours with questions or practice problems,
- Begin studying for an exam weeks in advance (cramming is a huge mistake).

In college I was a part of a ‘study’ group in Organic Chemistry. To be invited to the group sessions that began 2 week before the exam, you had to prove you had studied and attempted a majority of the homework problems (assigned and unassigned). For two weeks, we then met and debated the most difficult problems and found how the answer was justified in our notes and lecture notes. Three days before the exam we then studied individually (but in the library with the group members around to ensure no one left early). We worked out a formula…

Grade on exam = [Individual study hours completed before the exam (after group study) X 10]