

Texas A&M University-Kingsville
SYLLABUS
CHEM 3323-ORGANIC CHEMISTRY 1
SUMMER 2007

Course description:

For premedical students, chemistry majors, and chemical engineering majors. An intensive study of the reactions and mechanisms of aliphatic and aromatic compounds and the non-hydrocarbon functional groups and families. Prerequisites: CHEM 1311, 1312, 1111, and 1112 (one year of general chemistry with laboratory).

Instructor:

Dr. Xiaoliu Chi, 115 Nierman Hall
Office phone: 593-2921, E-mail: kfxc000@tamuk.edu

Office hours:

3:00 - 5:30 PM, Monday through Thursday or by appointment, **but not before classes.**

Required textbooks:

Organic Chemistry, by John McMurry, 6th edition, **CHEM 3323 Lecture Notes**, by N. R. Beller, **CHEM 3323 Problem Sets**, by N. R. Beller, **Prentice-Hall Molecular Models for Organic Chemistry**

Material to be covered:

Eight chapters in CHEM 3323 Notes.

Course Objectives:

The objectives of this course are to give the student a rigorous understanding of the principles, reactions, mechanisms, nomenclature, physical and chemical properties, and stereochemical facts of aliphatic compounds.

Methods of Evaluation:

There will be four equally weighted exams throughout the course. Letter grades are derived as follows A = 90-100%; B = 80-89%; C = 70-79%; D = 60-69%; and F = < 60%.

Student Learner Outcomes:

At the successful completion of the course you will have (1) demonstrated your knowledge of organic nomenclature, structure, reactivity, stereochemistry and syntheses of alkanes, cycloalkanes, and alkenes. (2) demonstrated your knowledge of the mechanisms of the reactions studied in this course. (3) 3 Demonstrated your understanding of the factors effecting reaction rates, equilibrium, of various organic reactions.

Policies for Attendance, Excused Absences, Make-up Exams, Late Assignments, Early Final Exams, Cell Phones, etc.

Successful performance in this class requires that you attend class with no absences. There will be no make-up exams. You may be able to take an exam early or late for an excused (official university) absence. Students graduating at the end of the semester should notify the instructor by mid-term. Students should turn off there cell phones during class.

Disability Statement:

(See pages 2 & 11 of the Student Handbook) Students with disabilities, including learning disabilities who wish to request accommodations in class should register with the Services for Students with Disabilities (SSD) early in the semester so that appropriate arrangements may be made. In accordance with federal laws, a student requesting special accommodations must provide documentation of their disability to the SSD coordinator on campus.

Problem sets:

You should really try to work all the problems in each problem set corresponding to each CHEM 3323 NOTES chapter of material. Many of the problems in the problem sets are very similar to problems that will be asked on the exams. A complete set of answers is provided in the problem set book to help you understand the problems and verify your answers.

Dropping the course:

It is your responsibility to drop CHEM 3323 if you need to drop the course. You will receive an automatic "Q" grade if you drop the course by 5:00 PM, Monday, June 18.

Study hints:

If you intend to pass this course, especially with a "good grade" you really do have to study the material every single day! The student need to spend several hours a day studying - reading, thinking, writing structures, reactions, reaction mechanisms, and working problems. Believe it or not, the principal reason that students do poorly in organic chemistry, or drop, or fail the course, is THAT THEY DO NOT STUDY ENOUGH!