

Texas A & M University-Kingsville

CHEM 3325, Organic Chemistry II

Course Description:

The course is for premedical students, chemistry majors, and chemical engineering majors. The course provides the students with an intensive background of the entire field of organic chemistry with an emphasis in aliphatic as well as aromatic chemistry. Prerequisite: Chem 3323 and Chem 3123.

Name of Instructor:

Dr. Apurba Bhattacharya

Office Location:

Room 156B, Nierman Hall. Telephone: (361) 593-2664 ab002@tamuk.edu

Office Hours:

2:00- 4:00 PM, Monday through Friday, or by appointment.

Course Lecture Location:

TBA

Required Texts:

Morrison and Boyd, Organic Chemistry, 6th edition, Prentice Hall Publishing Co., 1992.

Or

Organic Chemistry by John McMurry, 7th edition. Thomson-Brooks/Cole.

Chem 3325 Lecture Notes. These are spiral bound lecture notes, and with the corresponding problem sets, represent the primary course material. Available from the bookstore for about \$15.

Chem 3125 Laborator

Material to be covered:

The first ten chapters of Chem 3325 lecture notes and the corresponding chapters and/or sections in the text.

Course Objectives:

The objectives of this course are to give the student a rigorous understanding of the principles, reactions, reaction mechanisms, nomenclature, physical and chemical properties, and stereochemistry of aliphatic and aromatic compounds as well as spectroscopy.

Course Outline:

Alkyl Halides.

Structure Determination; NMR spectroscopy.

-----3 weeks

Benzene and aromaticity.

Electrophilic aromatic substitution.

-----3 weeks

Synthesis and Reactions of Alkyl Benzenes.

Ethers, Epoxides and Sulfides.

-----2 weeks

Alcohols.

Chemistry of Carbonyl Compounds; an Overview.

-----4 weeks

Aldehydes and Ketones.

Carboxylic Acids and Derivatives.

-----2 weeks

- 1) **Cheating:** Using unauthorized notes or study aids, allowing another party to do similar work in more than one course without permission from the course instructors; deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not mastered; giving or receiving aid unauthorized by the instructor on assignments or examinations.
- 2) **Aid of academic dishonesty:** Intentionally facilitating any act of academic dishonesty. Tampering with grades or taking part in obtaining or distributing any part of a scheduled test.
- 3) **Fabrication:** Falsification or creation of data, research or resources, or altering a graded work without the prior consent of the course instructor.
- 4) **Plagiarism**
- 5) **Lying:** Deliberate falsification with the intent to deceive in written or verbal form as it applies to an academic submission.
- 6) **Bribery:** Providing, offering or taking rewards in exchange for a grade, an assignment, or the aid of academic dishonesty.
- 7) **Threat:** An attempt to intimidate a student, staff or faculty member for the purpose of receiving an unearned grade or in an effort to prevent reporting of an Honor Code violation. Please be aware that the University subscribes to the Turnitin plagiarism detection service. Your paper may be submitted to this service at the discretion of the instructor.

Other Forms of Academic Misconduct:

- 1) posted academic policies in place for the orderly and efficient instruction of classes, including laboratories, and use of academic resources or equipment.
- 2) Unauthorized possession of examinations, reserved library materials, laboratory materials or other course related materials.
- 3) Failure to _____-taking instructions, including but not limited to not setting aside notes, books or study guides while the test is in progress, failing to sit in designated locations and/or leaving the classroom/ test site without permission during a test.
- 4) Prevention of the convening, continuation or orderly conduct of any class, lab or class activity. Engaging in conduct that interferes with or disrupts university teaching, research or class activities such as making loud and distracting noises, repeatedly answering cell phones/text messaging or allowing pagers to beep, exhibiting erratic or irrational behavior, persisting in speaking without being recognized, repeatedly leaving and entering the classroom or test site without authorization, and making physical threats or verbal insults to the faculty member, or other students and staff.
- 5) Falsification of student transcript or other academic records; or unauthorized access to academic computer records.
- 6) Nondisclosure or misrepresentation in filling out applications or other university records.

7) Any action which may be deemed as unprofessional or inappropriate in the professional community of the discipline being studied.

Non-academic misconduct

dropped six courses, a grade of QF will normally be recorded for each subsequent drop. If you need additional information on Senate Bill 1231 and how it affects you, please

Comments:

I will not take formal attendance but class attendance is a very practical necessity. Please note that attendance policies may vary by college). No late assignments will be accepted. Graduating seniors who need to schedule an early final should inform the instructor early in the semester. Students should turn off their cell phones during class.

The syllabus is intended to be informational and not contractual. The instructor reserves the right to amend, alter, change, delete, or modify the syllabus with notice (announced during the lecture season) in any manner that is deemed necessary and in the best interest of the Department of chemistry and Texas A & M University-Kingsville.

It is the responsibility of the student to keep the original graded copies of all materials (exams, problem set, in-class assignments, etc.) that have been returned for his/her records. Graded final exams are retained by the instructor for his/her permanent records.