

Course Syllabus for CHEM 2324 – 12764; Organic Chemistry I for Non Chemistry Majors

Fall Semester 2014; Lectures: M, W, F; 7:30 am – 8:20 am
Undergraduate Learning Center 116

Instructor: Dr. Michael; CCSB 2.0414; Phone: 747-5240; Email kmichael@utep.edu
Office hours: Mondays, 3:00 pm – 5:00 pm, or by individual appointment.

Text (required): “Organic Chemistry” by Janice Smith, 4th edition and Student Study Guide/Solutions Manual; Publisher: McGraw-Hill, Chapters 1 through 14. The textbook and the study guide can be purchased at the UTEP bookstore. The same text will be used for CHEM 2325 (Organic Chemistry 2) in the spring semester 2015. Previous editions of this textbook with its accompanying Student Study Guide/Solutions Manual are also suitable, however, the assigned practice problems will refer to the 4th edition. Students who have an older edition are advised to compare study problems with those of the 4th edition. The problems are ~95% identical; problem numbers are slightly shifted.

Additional material (required): i-clicker2 (ISBN: 1429280476) will be required for all quizzes. Please carry spare batteries to every class to avoid missing quizzes. Forgotten clicker or lack of batteries will not be a valid excuse for missed quizzes!!!!

Additional material (recommended): Molecular ball and stick models made from plastic can be purchased at the UTEP bookstore. Any molecular model set for organic compounds will work. These models will help you visualize molecules in three dimensions. You may bring your molecular models to all classes and exams.

Expected Learning Outcome: Students will acquire a firm foundation of basic organic chemistry, *i.e.*, the understanding of the properties, structures, interactions, transformations, and nomenclature of organic molecules.

This course will cover the first 14 chapters of the introductory organic chemistry textbook “Organic Chemistry” by Janice Smith. The material to be covered includes chemical bond theory (chapter 1), acid-base reactions (chapter 2), functional groups (chapter 3), alkanes (chapter 4), stereochemistry (chapter 5), basics of organic reactions (chapter 6), nucleophilic substitutions (chapter 7), elimination reactions (chapter 8), alcohols, ethers, and epoxides (chapter 9), alkenes (chapter 10), alkynes (chapter 11), oxidation and reduction (chapter 12), mass spectrometry and IR spectroscopy (chapter 13), NMR spectroscopy (chapter 14). **VERY IMPORTANT: Practicing the problems in and at the end of each chapter is required to successfully complete this class.** Challenge problems labeled with an asterisk may be skipped.

Exam dates:

1st Midterm Exam:	Monday, Sept. 22, 2014 (chapters 1 – 4)
2nd Midterm Exam:	Wednesday, Oct. 22, 2014 (chapters 4 – 8)
3rd Midterm Exam:	Wednesday, Nov. 19, 2014 (chapters 8 – 12)
Final Exam:	Friday, Dec. 12, 2014, 7:00 – 9:00 am, (chapters 1-14)

Exams: All exams are in multiple-choice format. It is your responsibility to bring **a #2 pencil and a pink Apperson answer sheet** to each exam. These pink answer sheets can be purchased in the Department of Chemistry, room CCSB 2.0710. Since this office has limited office hours you should secure your answer sheets many days in advance. Note that your instructor does not sell these answer sheets.

Grading: Your semester grade will be determined based on:

- your two best midterm exams (2 × 20%)
- your quiz performance using the i-clicker2 (20%)
- your final exam (40%).

Policies:

- The lecture will follow the text book closely in the given order of the chapters. The lecture materials will not be posted. It is recommended that you bring your text book to class and follow along, and take notes.
- Of the three midterm exams, your exam with the lowest score will be dropped.
- The final exam will be cumulative and cannot be dropped.
- Homework problems from the Smith text book will be assigned but not collected or graded. Please do them on your own or in groups.
- There will be a quiz in every lecture for which you will need your i-clicker2. The quiz question will be selected from the previously assigned homework problems. The quizzes will also serve as a record of attendance.
- Exam and quiz questions will be in multiple-choice format, and are similar to the textbook problems.
- There are **no make-up exams or make up quizzes**. All missed exams/quizzes count as zero points.

- If a student misses one of the three midterm exams **for whatever reason** (e.g. illness, flat tire, etc.) this midterm exam will be dropped, while the other two midterm exams will count. You only need two midterm exams.
- In the unlikely event that a student misses two midterm exams due to two emergencies one cumulative oral exam in Dr. Michael's office will be offered on Saturday, November 29, 2014. The student should contact Dr. Michael shortly after the 3rd midterm exam for an appointment.

Some important dates:

First class:	Monday, August 25, 2014
Census Day:	Wednesday, September 10, 2014 (last day to drop class without W)
Course drop deadline:	Friday, October 31, 2014
Last class:	Wednesday, December 3, 2014