

# Course Syllabus for CHEM 2324 – 12043; Organic Chemistry I for Non Chemistry Majors

Fall Semester 2018; Lectures: MWF; 7:30 am – 8:20 am, Undergraduate Learning Center 116

- Instructor:** Dr. K. Michael; Office: CCSB 2.0414; Phone: 747-5240;  
Email [kmichael@utep.edu](mailto:kmichael@utep.edu) (preferred method of contact)
- Office hours:** Thursdays, 9:00 am – 10:00 am, or by individual appointment
- Text (required):** “Organic Chemistry” by Janice Gorzynski Smith, 3<sup>rd</sup>, 4<sup>th</sup>, or 5<sup>th</sup> Edition and the Student Study Guide/Solutions Manual; Publisher: McGraw-Hill. The edition of the textbook and the edition of the Student Study Guide/Solutions Manual should match. For example, if you use the 3<sup>rd</sup> edition of the textbook, then you need the matching 3<sup>rd</sup> edition of the Student Study Guide/Solutions Manual. The same text and Student Study Guide/Solutions Manual will be used for CHEM 2325 (Organic Chemistry 2) in the spring semester 2019.
- Additional material (required):** A **molecular ball and stick model set** made from plastic. It can be purchased at the UTEP bookstore, however, it doesn't have to be that particular brand. Any molecular model set for organic compounds will work. These models will help you visualize molecules in three dimensions, which is very important for understanding conformation and stereochemistry. You may bring your molecular models to all classes and all exams.
- Expected Learning Outcomes:** 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.
- Curriculum:** 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).
- The lecture will follow the textbook closely in the given order of the chapters. It is recommended that you bring your textbook (hard copy or electronic version) to each class and follow along, and take notes. The lecture materials will not be posted.
- Attendance:** Attendance will be taken at each class meeting using UTEP student ID cards. Card readers are located at the entrance of the classroom. When you enter class, simply hold your student ID card against the reader. It may not be necessary to remove the card from your wallet or purse. If the light on the device turns green, your card has been read properly and your attendance has been recorded. If the light remains red, the device was unable to read your card; please present it again gently until the green light appears. If you do not see the green light, you may need to remove your card from your wallet or purse in order to ensure that it is detected. Your attendance will be recorded up to 30 min before your class is scheduled to start.
- Homework:** Reviewing the material covered in each class in your textbook and practicing the assigned homework problems is essential for mastering the class material. **VERY IMPORTANT: After each class homework problems will be assigned in Blackboard for you to practice on your own or with colleagues in order to do well in the class.** The homework will not be turned in. **Practicing and understanding (not memorizing!) these homework problems is your best preparation for all exams. The exam questions will be very similar to the assigned homework problems.**

**Exam Dates:**           **1<sup>st</sup> Midterm Exam:**       Monday, Sept. 24, 2018 (chapters 1 – 4), **UGLC 106**  
**2<sup>nd</sup> Midterm Exam:**       Wednesday, Oct. 24, 2018 (chapters 4 – 8), **UGLC 106**  
**3<sup>rd</sup> Midterm Exam:**       Wednesday, Nov. 21, 2018 (chapters 8 – 12), **UGLC 106**  
**Final Exam:**           Friday, Dec. 14, 2018, 7:00 – 9:00 am, (chapters 1-14), **UGLC 126**

**Exam Policies:**       Only two (not three) midterm exams and one final exam count toward your semester grade. Therefore, you only have to take two (not three) midterm exams, and the final exam. However, it is to your advantage to take all three midterm exams because the two best midterm exams (by letter grade) will count toward your semester grade. Of the three midterm exams, the one with the lowest letter grade will be dropped. All exams are in multiple-choice format. It is your responsibility to bring **a #2 pencil, a pink Apperson answer sheet, and your UTEP ID** to each exam. You can buy the Apperson answer sheets in the Dept. of Chemistry & Biochemistry, or in the *Kinley's House Coffee and Tea* at the corner of Mesa St. and Kerby Ave. The final exam will be mostly cumulative and cannot be dropped. All exams are closed book exams. You can use your molecular model set in all exams. Written notes and electronic devices are not allowed. All exam questions will be in multiple-choice format.

**Make-up Exams:**     In general, there are no make-up exams. Make-up exams will be granted in extraordinary situations, e.g. participation in a scientific conference, official travel of UTEP athletes, medical reasons with a doctor's note stating that you are unable to take the exam on the scheduled date. In all of these circumstances, make-up exams have to be requested in advance. Granted make-up exams are oral and will take place by appointment in Dr. Michael's office.

**Extra Credit:**        A take-home extra credit assignment that is worth up to 1/4 of a grade point will be posted on Blackboard. The answers of this assignment need to be marked on a pink Apperson answer sheet to be dropped off in Dr. Michael's office by Friday, December 7, 2018 at noon.

**Grading:**            Your semester grade will be calculated based on:

- your two best midterm exams (2 × 25%)
- your final exam (50%)
- your extra credit

**Other Policies:**     The lecture will follow the textbook closely in the given order of the chapters. It is recommended that you bring your textbook (hard copy or electronic version) to each class and follow along, and take notes. The lecture materials will not be posted.

**Important Dates:**   First class:               Monday, August 27, 2018  
Labor Day               Monday, September 3, 2018 (no classes)  
Census Day:             Wednesday, September 12, 2018 (last day to drop class without W)  
Course drop deadline:  Friday, November 2, 2018  
The College of Science will not approve any student- or faculty-initiated drop requests for a course after that date, except under circumstances of complete withdrawal of all courses due to medical or non-medical reasons.  
Thanksgiving:           Thursday, Friday, November 22-23, 2018 (no classes)  
Last CHEM 2324 class:  Wednesday, December 5, 2018