Course Syllabus for CHEM 2324 – CRN 18348  
Organic Chemistry I for Non-Chemistry Majors  
Fall Semester 2022

Format: Hybrid, with 1/3 F2F, and 2/3 on-line instruction.

Lecture: Mondays, face-to-face (F2F), 7:30 am – 8:20 am at UGLC 116.  
Wednesdays and Fridays, on-line, synchronously via Zoom, 7:30 am - 8:20 am.

To join the zoom lecture, please go to our course homepage in Blackboard. On the left side, select “On-line lecture (W,F 7:30 am)”, then click “join”. The passcode is CHEM2324. All on-line lectures will be recorded and can be accessed at our course page on Blackboard throughout the semester.

Instructor: Dr. K. Michael, Department of Chemistry & Biochemistry, Office: CCSB 2.0414, Email kmichael@utep.edu

Office hour (F2F): Tuesdays, 9:00 am - 10:00 am beginning in the second week of the semester.

Communication: There are several ways students can communicate with me:
• Come to the podium right after our Monday F2F lecture at 8:20 am.
• Email me a question at kmichael@utep.edu. I will respond within 12 hours.
• Come to my office hour.
• Email me at kmichael@utep.edu and make an individual appointment. We can set up a meeting in person, or on-line.


This is how the three different editions of the Smith text and the accompanying Student Study Guide/Solutions Manual look.

4th edition:  

![4th edition textbook](image1)

or

5th edition:  

![5th edition textbook](image2)
You can buy or borrow these books in the bookstore, or order them online, used or new. The book can be electronic, or a hard copy, or the loose leaflet.

**Additional material (required):** A **molecular ball and stick model set**. 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 use your molecular models for class, homework, and all exams.

This is how the molecular model set from the UTEP bookstore looks:

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**Technology Requirements:** Access to a computer with internet, access to Zoom via Blackboard.

**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), alkyenes (chapter 11), oxidation and reduction (chapter 12), mass spectrometry and Infrared Spectroscopy [chapter 13 (4th and 5th ed.); chapters A and B (6th ed)]. The lecture will follow the textbook closely in the given
Exam Policies:

Order of the chapters. It is recommended that you have your textbook handy at each F2F and on-line class and follow along.

Preparing for the Exams:

Reviewing the material covered in each class in your textbook and practicing the assigned problems is essential for mastering the class material. VERY IMPORTANT: After each class homework problems will be assigned in Blackboard for you to practice in order to do well in this 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. It is important that you complete each homework BEFORE the next class period.

Study Groups:

I will facilitate the formation of small study groups (3-5 students per study group) in the first couple of weeks of class. Voluntarily joining a small study group is highly encouraged. The study groups will meet regularly throughout the semester and solve homework problems in teamwork. You can also work on the quiz questions (see Formative Assessment) together.

Formative Assessment:

This type of assessment gives you feedback on your knowledge development on a daily basis. The assessment will be done in form of 5 min on-line quizzes after each class via Blackboard. You have two attempts per quiz. There will be no penalty for giving incorrect answers, but you can earn one extra credit point that counts toward your final exam score if you answer 80% of the quiz questions correctly. The quizzes are time-sensitive. They will be posted on the same day after class and will be open until 7:00 am before the next class. This deadline is strict and will not be extended.

Summative Assessment:

This type of assessment evaluates student learning at the end of chapters or units within a chapter. Your semester grade will be calculated from these exams. Note that the material (book chapters) subject to each exam is an approximation and is may change slightly depending on our progress in the curriculum.

Exam Dates:

1st Midterm Exam: Monday, Sept. 19, 2022 (~ chapters 1 – 4) at UGLC 106

2nd Midterm Exam: Monday, Oct. 17, 2022 (~ chapters 5 – 8) at UGLC 106

3rd Midterm Exam: Monday, Nov. 21, 2022 (~ chapters 9 – 12) at UGLC 106

Final Exam: Friday, Dec. 9, 2022 (~ chapters 1-13 (4th and 5th ed.); chapters 1 – 12 and A and B (6th ed.)) at UGLC 106

Note the time: 7:00 am - 9:00 am

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 and will be taken in person. The final exam will be mostly cumulative and cannot be dropped. All exams are closed book exams. You can use your molecular model set. It is your responsibility to bring a #2 pencil, a pink Apperson form 29240, and your UTEP ID to each exam. You can buy the Apperson form at the UTEP Bookstore. This is how the Apperson form 29240 looks:
All exam questions will be in multiple-choice format. Each midterm exam has 20 regular questions; the final exam has 40 regular questions.

**Extra Credit:** Each midterm exam will have one additional question, and the final exam will have two additional questions for extra credit. The extra credit can only be applied to the exam in which this question appears. For example, extra credit earned for midterm exam 1 can only be applied to your midterm exam 1 score, but not to any of the other exams.

**Make-up Exams:** Make-up exams will be granted only in extraordinary situations, e.g. for medical reasons or conference travel. Make-up exams have to be requested in advance or immediately when the circumstance occurred, and no later than the day of the exam. Granted make-up exams are oral. You need to make an appointment with me.
Grading: Your semester grade will be calculated based on:
• your two best midterm exams (2 × 25%)
• your final exam (50%)

Important Dates: Semester begin: Monday, August 22, 2022 --> class does not meet, watch video posted and do the first quiz, both available on our course home page in Blackboard.
First lecture (on-line): Wednesday, August 24, 2022
Labor Day: Monday, September 5, 2022 (no classes)
Census Day: Wednesday, September 7, 2022 (last day to drop class without W)
Course drop deadline: Friday, October 28, 2022
Thanksgiving: Thursday, Friday, November 24-25, 2022 (no classes)
Last CHEM 2324 class: Wednesday, November 30, 2022

Accommodations: If you have a disability and need accommodations, please contact The Center for Accommodations and Support Services (CASS); website: www.sa.utep.edu/cass.

COVID 19 Accommodations and Precautions: Students are not permitted on campus when they have a positive COVID-19 test, exposure, or symptoms. If you are not permitted on campus, you should contact me as soon as possible so we can arrange necessary and appropriate accommodations.

In our F2F Monday class, the wearing of facial masks is highly encouraged.