Course Syllabus for CHEM 2322 – CRN 22240
Organic Chemistry II for Chemistry Majors
Spring Semester 2020; Lectures: MWF; 8:30 am – 9:20 am; Liberal Arts Building 106
Due to the COVID19 pandemic, lectures will be delivered via Blackboard Collaborative Ultra from 3/30/20 – 05/06/20

Instructor: Dr. K. Michael; Office: CCSB 2.0414; Phone: (915) 747-5240
Email: kmichael@utep.edu (preferred method of contact)
Office hour: Fridays, 3:00 pm – 4:00 pm, or by individual appointment. After 3/30/20, office hours will be held via Blackboard Collaborative Ultra upon request. Just send an email, and we’ll set up an individual online meeting.


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

4th edition:

or

5th edition:

or

6th edition:

The UTEP bookstore sells the loose leaf version of the text (6th edition) for $171.50. They also sell the digital version (6th edition) for $232, but this does not contain the Student Study Guide/Solutions Manual. The Student Study Guide/Solutions Manual (6th edition) is sold for $197.25. The bookstore also sells earlier editions of this book, please inquire about the price at the bookstore. You can also order this book and the Student Study Guide/Solutions Manual on-line, and sometimes used copies are available for significantly lower prices.
Expected Learning Outcomes

Students will obtain a firm foundation of organic chemistry, i.e., the understanding of the properties, structures, interactions, nomenclature, and chemical transformations of organic molecules.

Curriculum

This course will cover the following chapters of the introductory organic chemistry textbook “Organic Chemistry” by Smith in the following order: Radical Reactions (Ed. 4 and 5: chapter 15, Ed. 6: chapter 13); Conjugation, Resonance, and Dienes (Ed. 4 and 5: chapter 16, Ed. 6: chapter 14); Benzene and Aromatic Compounds (Ed. 4 and 5: chapter 17, Ed. 6: chapter 15); Electrophilic Aromatic Substitution/Reactions of Aromatic Compounds (Ed. 4 and 5: chapter 18, Ed. 6: chapter 16); Carboxylic Acids (Ed. 4, 5 and 6: chapter 19); Introduction to Carbonyl Chemistry (Ed. 4 and 5: chapter 20, Ed. 6: chapter 17); Aldehydes and Ketones – Nucleophilic Addition (Ed. 4 and 5: chapter 21, Ed. 6: chapter 18); Carboxylic Acids and their Derivatives-Nucleophilic Acyl Substitution (Ed. 4 and 5: chapter 22, Ed. 6: chapter 20); Substitution Reactions of Carbonyl Compounds at the $\alpha$-Carbon (Ed. 4 and 5: chapter 23, Ed. 6: chapter 21); Carbonyl Condensation Reactions (Ed. 4 and 5: chapter 24, Ed. 6: chapter 22); Amines (Ed. 4 and 5: chapter 25, Ed. 6: chapter 23); Carbon-Carbon Bond Forming Reactions (Ed. 4 and 5: chapter 26, Ed. 6: chapter 24).

Lecture:

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, follow along, and take notes. Before spring break, the lecture Powerpoint slides will not be posted; all information needed is provided in the textbook. There will be many in-class practice problems (not graded). Due to the pandemic, after spring break, all lectures will be delivered synchronously via Blackboard Collaborative Ultra. These lectures will be recorded and will be available to all students in Blackboard. In addition, the Powerpoint slides of the lectures will be posted on Blackboard.

Attendance:

Attendance is required and will be checked occasionally.

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 posted in Blackboard for you to practice on your own or with other students 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:

1st Midterm Exam: Wednesday, February 19, 2020
[chapters 15 – 18 (Ed. 4 and 5), 13 – 16 (Ed.6)]

2nd Midterm Exam: Monday, March 30, 2020
[chapters 19 –21.15 (Ed. 4 and 5), chapters 17, 18 – 18.14, 19 (Ed. 6)]

3rd Midterm Exam: Friday, May 1, 2019
[chapters 21.16 – ~25 (Ed. 4 and 5), chapters 18.15 – 18.16, 20 - 23 (Ed. 6)]

Final Exam: Monday, May 11, 2020, 10:00 am – noon
[chapters 15 – 26 (Ed. 4 and 5, chapters 13 – 24 (Ed. 6)]

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 (or the one you didn’t take) will be dropped. If for the first midterm exam, it is your responsibility to bring:

- A #2 pencil
- Your UTEP ID
- An Apperson form 29240 (not a scantron !!!), see image attached. The bookstore sells these forms for $0.25 each.
Due to the pandemic, all other exams (midterm exams 2 and 3, and the final exam) are open-book online exams administered via Blackboard. Both, textbook and lecture notes are allowed in these exams, but students are expected to conduct themselves with honesty and refrain from collaborating.

All exam questions will be in multiple-choice format. Each midterm exam has 20 questions; the final exam has 40 questions.

**Extra Credit:**

Each midterm exam will have one additional question (question #21), and the final exam will have two additional questions (questions #41 and #42) for extra credit. The extra credit can only be applied to the exam in which this question appeared. 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 only 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. Before spring break, granted make-up exams are oral and take place by appointment in Dr. Michael’s office. After spring break, a make-up exam will be sent by email.

**Grading:**

Your semester letter grade will be calculated based on:

- your two best midterm exams by letter grade (2 × 25%)
- your final exam by letter grade (50%)

Letter grades will be assigned based on GPA calculations:

- GPA 3.5 – 4.0 – A
- GPA 2.5 – 3.49 – B
- GPA 1.5 – 2.49 – C
- GPA 0.5 – 1.49 – D
- GPA < 0.5 – F

Alternatively, the grade option Satisfactory/Unsatisfactory is available. Students need to submit a written request to the Registrar Office by May 7, 2020. In order to receive the grade “Satisfactory”, students must have a GPA of 1.5 or higher. A GPA < 1.5 will result in the grade “Unsatisfactory”.

**Important Dates:**

- First class: Wednesday, January 22, 2020
- Census Day: Wednesday, February 5, 2020 (last day to drop class without W)
- Spring Break: March 16 – 20, 2020
- Cesar Chavez Day: Friday, March 27, 2020
- Spring Study Day: Friday, April 10, 2020 (no classes)
- Last CHEM 1308 class: Wednesday, May 6, 2020
- Course drop deadline: May 7, 2020

**Disability:**

If you have a physical or a learning disability, please contact UTEP’s Center for Accommodations and Support Services. For those who qualify, there are certain mechanisms of assistance in place.

This is how the Apperson form 29240 looks like. At the bottom of the form it says “#29240”. The UTEP bookstore sells it. You can also get it at Kinley’s House Coffee & Tea, 2231 N. Mesa Street, however, at Kinley’s they want you to purchase a food/drink item.