

Course Syllabus for

CHEM 4328 – CRN 12564 – Advanced Topics in Organic Chemistry Fall Semester 2021

- Lecture:** In-Person: Mon., 7:30 am – 8:20 am at Liberal Arts Bldg. (LART) 207
On-line: Wed., Fri, 7:30 am - 8:20 am via Blackboard Collaborate Ultra (synchronous)
Go to our course in Blackboard and select "*On-line lecture - CHEM 4328 - Wednesdays and Fridays*"
- Instructor:** **Dr. Michael; Office CCSB 2.0414; Email kmichael@utep.edu (preferred method of contact); Phone 747-5240**
- Office hours:** By individual appointment, please request an appointment by email.
- Text:** “Organic Chemistry” by Janice Gorzynski Smith, 5th edition, McGrawHill (Text Book plus Solutions Manual); “Carbohydrate Chemistry” by Benjamin G. Davis and Anthony J. Fairbanks, Oxford Science Publications, ISBN 0-19-855833-3
- Course Objective:** To reinforce and significantly extend the knowledge of organic chemistry concepts and organic reactions beyond the knowledge previously acquired in OCHEM 1 and OCHEM 2.
- Curriculum:** We will cover the following chapters of the text book “Organic Chemistry” by Janice Gorzynski Smith, 5th edition: Chapter 13: Mass Spectrometry and Infrared Spectroscopy; Chapter 14: Nuclear Magnetic Resonance Spectroscopy; Chapter 26: Carbon-Carbon Bond Forming Reactions in Organic Synthesis; Chapter 27: Pericyclic Reactions; Chapter 28: Carbohydrates; Chapter 29: Amino Acids and Proteins; Chapter 30: Lipids; Chapter 31: Synthetic Polymers. In addition, we will learn more about carbohydrate chemistry, which is covered in Davis' and Fairbanks's book.
- Practice problems (homework) will be assigned after each lecture and posted on Blackboard, and some of these problems will be discussed in class. The homework problems will not be submitted, but you are expected to do the homework before the next class period.
- The on-line lectures will be recorded and posted on Blackboard but all of the lecture content and images are available in the two textbooks. Students are encouraged to bring their textbooks to class, follow along and take notes.
- Exam Format:** Multiple Choice
Please bring a green scantron form and a number 2 pencil to all exams.
- 1st Midterm Exam:** Monday, October 11, 2021, 7:30 am – 8:20 am at LART 207
2nd Midterm Exam: Monday, November 29, 2021, 7:30 am – 8:20 am at LART 207
Final Exam (cumulative): Friday, December 10, 2021, 7:30 am – 9:30 am at LART 207
- 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. Make-up exams are oral and may be in person or via zoom.

Grading: Your semester grade will be calculated based on:

- your midterm exam (2 × 25%)
- your final exam (50%)

Letter grades will be assigned based on grade point (GP) calculations:

GP 3.5 – 4.0 – A

GP 2.5 – 3.49 – B

GP 1.5 – 2.49 – C

GP 0.5 – 1.49 – D

GP < 0.5 – F

Some important dates:

First Class: Monday, August 23, 2021

Labor Day: Monday, September 6, 2021, no classes

Census Day: Wednesday, September 8, 2021 (last day to drop class without W)

Course Drop Deadline: Friday, October 29, 2021 (last day to drop class with W)

According to UTEP and College of Science policies, no requests for a withdrawal will be approved after that date. Students can always petition the Registrar for a complete withdrawal from all courses pending documentation.

Thanksgiving: Thursday, Friday, November 25-26, 2021, no classes

Our last Class: Wednesday, December 1, 2021

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.

COVID-19 PRECAUTION STATEMENT

Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, so that we can work on appropriate accommodations. If you have tested positive for COVID-19, you are encouraged to report your results to covidaction@utep.edu, so that the Dean of Students Office can provide you with support and help with communication with your professors. The Student Health Center is equipped to provide COVID-19 testing.

The Center for Disease Control and Prevention recommends that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people. The best way that Miners can take care of Miners is to get the vaccine. If you still need the vaccine, it is widely available in the El Paso area, and will be available at no charge on campus during the first week of classes. For more information about the current rates, testing, and vaccinations, please visit epstrong.org.