

The University of Texas at El Paso
Department of Chemistry and Biochemistry
Syllabus

****ALL TIMES ARE IN MOUNTAIN TIME (MT)****

COURSE INFORMATION

CHEM 2321: Organic Chemistry I

CRN: 13530

Term: Fall 2024

Location: Liberal Arts Building (LART) 106

Meeting Time: Tuesdays and Thursdays; 9:00am – 10:20am

Final Exam Date and Time: December 10, 10:00am-12:45pm

INSTRUCTOR INFORMATION

Instructor: Dr. Robert Pankow

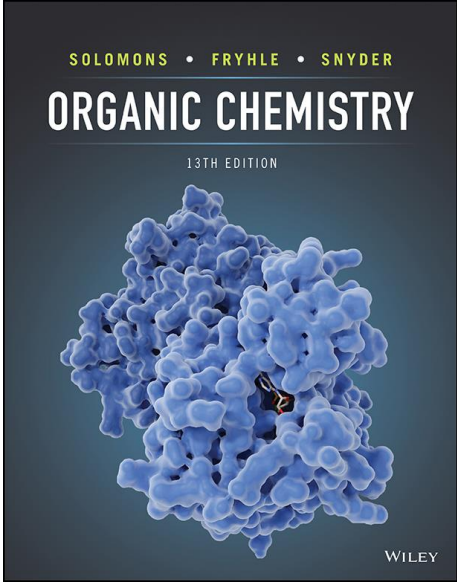
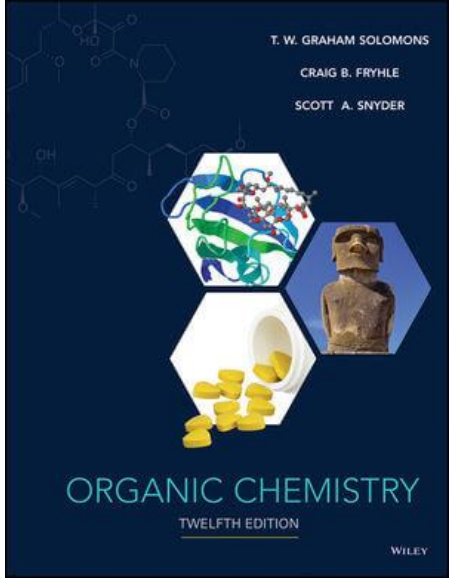
Email: rmpankow@utep.edu *****Please allow 24 hours for a response*****

Phone: 915-747-7555 (please contact via email)

Office: CCSB 2.0404

Office Hours: Tuesdays 12:00-1:00pm or by appointment.

TEXTBOOK

<p><u>This is the correct textbook.</u></p>  <p>Organic Chemistry, 13th Edition by Graham Solomons, Craig Fryhle, and Scott Snyder</p>	<p>This is <u>NOT</u> the correct textbook.</p>  <p>Organic Chemistry, 12th Edition by Graham Solomons, Craig Fryhle, and Scott Snyder</p>
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Required Textbook: The required textbook is Organic Chemistry, 13th Edition by Graham Solomons, Craig Fryhle, and Scott Snyder *including WileyPlus integrated with Blackboard*. The homework and quizzes will be administered through WileyPlus so it is imperative that students purchase the correct version of the textbook. Used copies of the textbook may not have an active registration code for WileyPlus, so it is advised students purchase a new copy with an unused activation code. There are in-print and digital versions available. Students are responsible for purchasing the textbook on-time. If the bookstore does not have print copies available, students can purchase it online and use a digital version while the print copy ships. *There is a 14-day free trial of WileyPlus available, for students who are undecided about the duration of their enrollment in the course.*

Supplemental Texts (Not Required): David Klein's *Organic Chemistry as a Second Language: First Semester Topics & Organic Chemistry as a Second Language: Second Semester Topics* (any edition) are not required, but students may find the format and presentation of concepts helpful.

Supplemental Materials (Not Required): A model kit, such as the Organic Chemistry Student Set (SKU: 62053) by Indigo Instruments, is not required, but students may find it helpful for visualizing compounds.

COURSE DESCRIPTION

Objectives: CHEM 2321 is a 3-credit foundational course that will prepare students for second semester organic chemistry, advanced organic chemistry courses, and biochemistry courses. This course will follow Chapters 1-9 of Organic Chemistry by Graham Solomons *et al.* In addition to the topics selected by the instructor, students will be exposed to and master organic chemistry topics deemed pertinent by the American Chemical Society (ACS) and the MCAT exam.

Curriculum: To meet the above objectives, we will cover and develop knowledge of:

1. Principles of bonding in organic molecules
2. Identity and reactivity of different organic functional groups
3. Identifying organic acids and bases and their properties
4. Applying International Union of Pure and Applied Chemistry (IUPAC) rules for molecular nomenclature
5. Molecular conformations and stereochemistry
6. Substitution, elimination, and addition reaction
7. Spectroscopic characterization techniques for organic molecules

Format: CHEM 2321 will utilize a standard lecture format with course content (lectures, homeworks, and quizzes) available through Blackboard. A WileyPlus account, which comes with the purchase of a new textbook, is required to complete the course homework and quizzes.

ATTENDANCE

Attendance is not a graded component of this course. Students are strongly encouraged to attend lectures in-person to ensure success in course and mastery of the concepts. If a student missed a

lecture but still has questions, he/she is encouraged to attend an office hour with Dr. Pankow. Attendance is mandatory for in-person exams, unless considered an excused absence with prior approval by Dr. Pankow.

ASSIGNMENTS & GRADING

Online Homework: Homework assignments will be online and administered through Blackboard, and students are able to begin and complete all homework assignments once the course opens on Blackboard. There are 9 homework assignments for a total of 110 pts. The homework assignments are intended for mastering the concepts in the course, and there is no penalty for incorrectly answering a question. However, failure to complete an assignment by the due date will result in a loss in points. Students are highly encouraged to form study groups to work together on the homework assignments and to study for exams and quizzes.

Online Quizzes: Quizzes will be online and administered through Blackboard and are *open-book and open-note*. The quizzes cover content for a specific chapter, and they are made available for completion as indicated on the schedule below. Students have 24 hours to complete the quizzes. They will be timed with a 60-minute time limit, and so you should make sure that you have adequate time to complete the quiz before starting. There are penalties for answering a question incorrectly during a quiz, so please make sure to select your answer thoughtfully and carefully.

In-Person Exams (Midterms and Final): Midterm exams will be held in-person on the scheduled lectured days noted in the course schedule. The midterms will have ~25 questions with a mixture of multiple choice and free-response. The final exam will be 45 questions with a mixture of multiple choice and free response. The exams are not open notes or open book.

REQUIRED MATERIALS FOR EXAMS:

- UTEP student ID
- A green Scantron No. 882-E (available at UTEP Bookstore)
- A sharpened No. 2 pencil (available at UTEP Bookstore)

Students are required to show their UTEP student ID when turning in an exam and must include his/her UTEP ID number on the exam. Obtaining a Scantron No. 882-E and a No. 2 pencil is the responsibility of the student. Dr. Pankow will not have Scantron forms or pencils available. Note, there may not be pencil sharpeners available in the lecture hall.

FORBIDDEN ITEMS:

- Cell phones, smart watches, or any related items
- Lecture notes, note cards, or any related items
- Course textbooks or related items

Students are forbidden from using/accessing cell phones, smart watches, lecture notes, etc. during an exam. The remaining exam time will be provided, and students do not need to check the time

using their cell phone/watch. This will result in a score of 0 and be considered a breach in Scholastic Integrity (see below). Students must also remain seated during the exam and should only leave the examination room when he/she is finished with the exam. If a student leaves the examination room, he/she must turn in the exam and he/she can no longer continue working on the exam. On exam days, students should try to arrive ≥ 10 minutes early so that there is ample time for seating and receiving an exam before the exam time begins. Once the final time is called students must turn in their exam or they will receive a score of 0.

Exams will be photocopied following the exam, and in the event of a grading dispute the entire exam will be regraded.

Final Grade Determination: Students can monitor their grades on Blackboard throughout the semester where points for assignments, quizzes, and exams will be updated as soon as grading is completed. Distribution of grades will follow the schemes shown below for Curved Grades. Final grades will be curved following the final exam. Students should note the generosity of this grading scheme, which was adopted from other Chemistry Faculty.

Curved Grades Distribution (P = percentile)

F = P ₅	D = P ₅₋₁₆	C = P ₁₉₋₅₅	B = P ₅₅₋₇₅	A = P ₇₅
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Distribution of points:

Course Component	Points (out of 600 total)
Online Homework	110
Online Quizzes	90
In-person Midterms	200
In-person Final	200

OPPORTUNITIES FOR SUCCESS:

- 25% of students will receive an A.
- 33% of grade comes from homework and quizzes.

Schedule: Course schedule contains approximate timings and is subject to change.

DATE	TOPIC	ASSIGNMENT DUE
8/27	Lecture 1: Chapter 1	None
8/29	Lecture 2: Chapter 1	None
9/3	Lecture 3: Chapter 1	None
9/5	Lecture 4: Chapter 2	HOMEWORK & QUIZ CHAPTER 1
9/10	Lecture 5: Chapter 2	None
9/12	Lecture 6: Chapter 2	None
9/17	Lecture 7: Chapter 2&3	HOMEWORK & QUIZ CHAPTER 2
9/19	Lecture 8: Chapter 3	None
9/24	Lecture 9: Chapter 4	None
9/26	MIDTERM 1: CHAPTERS 1-3	HOMEWORK & QUIZ CHAPTER 3
10/1	Lecture 10: Chapter 4	None
10/3	Lecture 11: Chapter 4	None
10/8	Lecture 12: Chapter 4	None
10/10	Lecture 13: Chapter 4	HOMEWORK & QUIZ CHAPTER 4
10/15	Lecture 14: Chapter 5	None
10/17	Lecture 15: Chapter 5	None
10/22	Lecture 16: Chapter 6	HOMEWORK & QUIZ CHAPTER 5
10/24	Lecture 17: Chapter 6	None
10/29	Lecture 18: Chapter 6	None
10/31	MIDTERM 2: CHAPTERS 4-6	HOMEWORK & QUIZ CHAPTER 6
11/5	Lecture 19: Chapter 6&7	None
11/7	Lecture 20: Chapter 7	None
11/12	Lecture 21: Chapter 8	None
11/14	Lecture 22: Chapter 8	HOMEWORK & QUIZ CHAPTER 7
11/19	Lecture 23: Chapter 9	None
11/21	Lecture 24: Chapter 9	None
11/26	Lecture 25: Chapter 9	HOMEWORK & QUIZ CHAPTER 8
11/28	NO LECTURE - THANKSGIVING	None
12/3	Lecture 26: Chapter 9	None
12/5	Lecture 27: Review	HOMEWORK & QUIZ CHAPTER 9
12/10	FINAL EXAM: CHAPTERS 1-9	None

EXTRA CREDIT

There is no extra credit or make-up work for this course.

TIPS TO SUCCEED IN THIS CLASS:

- Read the book chapters and attempt homework problems before class.
- Form a study group and meet weekly to discuss course material, work on homework, and study for quizzes and exams.

- Attend lectures and actively take notes to supplement the PowerPoints.
- Rewrite the lecture notes.
- If there are topics or concepts that are unclear, attend office hours.
- Write out flashcards to assist with mastering material and self-quizzing. This is especially useful for naming structures, identifying functional groups, and mastering reaction mechanisms.

COMMUNITY AGREEMENT:

The expectation in this course is that learners participate in course activities and discussions with mutual respect. Participation in this course—whether as an individual or within team-based activities—will be expected to follow our mutually-agreed framework for how we would like to be treated by one another in this course. Examples of our expectations would be offering undivided attention to the person speaking, claiming and distinguishing your opinions, sensitivity to sociocultural context, and disagreement without disrespect.

ATTENDANCE & ABSENCES:

Attendance policies follow general guidelines for excusable absences: university-recognized activities, religious holidays, and military leave. Students are required to follow the policies from the UTEP Academic Catalog: “Students who will be absent while representing the University in officially recognized University activities (sports, band, professional conferences, etc.) must notify the Dean of Students not less than ten (10) days prior to the absence. The Dean of Students will provide the student with a letter of excuse for the professors. It is the student’s responsibility to give the letter to the professors prior to the official recognized activity. Students following these procedures will be permitted to make up both assignments and examinations in consultation with faculty. Religious holy day means a day observed by a religion whose places of worship are exempt from property taxation under Section 11.20, Tax Code. Section 51.911 of the Texas Education Code and 19 Texas Administrative Code 4.4 related to absences by students for observance of religious holy days states that the institution shall excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection cannot be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence. The student must provide written notice to the instructor of each course that he or she will be absent for a religious holy day not less than 10 days prior to the absence. If a student and an instructor disagree about the nature of the absence being for the observance of a religious holy day as defined therein, or if there is similar disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor can request a ruling from the Provost or the Provost’s designee. The student and the instructor shall abide by the decision of the Provost or designee.”

TARDINESS:

If you are late to the lecture, please enter quietly so as not to disturb others.

INCOMPLETE GRADE POLICY

Incomplete grades may be requested only in exceptional circumstances after you have completed at least half of the course requirements. Talk to me immediately if you believe an incomplete is warranted. If granted, we will establish a contract of work to be completed with deadlines.

ACCOMMODATIONS POLICY

The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requesting an accommodation based on a disability must register with the [UTEP Center for Accommodations and Support Services](#) (CASS). Contact the Center for Accommodations and Support Services at 915-747-5148, or email them at cass@utep.edu, or apply for accommodations online via the [CASS portal](#).

SCHOLASTIC INTEGRITY

Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Cheating may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports. Plagiarism occurs when someone intentionally or knowingly represents the words or ideas of another as ones' own. Collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. All suspected violations of academic integrity at The University of Texas at El Paso must be reported to the [Office of Student Conduct and Conflict Resolution \(OSCCR\)](#) for possible disciplinary action. To learn more, please visit [HOOP: Student Conduct and Discipline](#).

COPYWRITE STATEMENT FOR COURSE MATERIALS

All materials used in this course are protected by copyright law. The course materials are only for the use of students currently enrolled in this course and only for the purpose of this course. They may not be further disseminated.

COURSE RESOURCES:

Where you can go for assistance. UTEP Provides a variety of student services and support:

Technology Resources

- [Help Desk](#): Students experiencing technological challenges (email, Blackboard, software, etc.) can submit a ticket to the UTEP Helpdesk for assistance. Contact the Helpdesk via phone, email, chat, website, or in person if on campus.

Academic Resources

- [UTEP Library](#): Access a wide range of resources including online, full-text access to thousands of journals and eBooks plus reference service and librarian assistance for enrolled students.
- [University Writing Center \(UWC\)](#): Submit papers here for assistance with writing style and formatting, ask a tutor for help and explore other writing resources.
- [Math Tutoring Center \(MaRCS\)](#): Ask a tutor for help and explore other available math resources.
- [History Tutoring Center \(HTC\)](#): Receive assistance with writing history papers, get help from a tutor and explore other history resources.
- [RefWorks](#): A bibliographic citation tool; check out the RefWorks tutorial and Fact Sheet and Quick-Start Guide.

Individual Resources

- [Military Student Success Center](#): Assists personnel in any branch of service to reach their educational goals.
- [Center for Accommodations and Support Services](#): Assists students with ADA-related accommodations for coursework, housing, and internships.
- [Counseling and Psychological Services](#): Provides a variety of counseling services including individual, couples, and group sessions as well as career and disability assessments.