



UT Tyler

THE UNIVERSITY OF TEXAS AT TYLER

ORGANIC CHEMISTRY II

Fall 2024

(August 19—December 13)

Instructor Information

Lauren Johnson, MS

Office: RBS 3005

Phone: 903 565 5508

Email: laurenjohnson@uttyler.edu

Office Hours:

Monday, Wednesday 10:30—11:30 AM

Tuesday 1:30—3:30 PM

BS Degree:



MS Degree:



- Email is the best way to contact me. I will do my best to answer your email as soon as I am able to.
- I have an open door policy. If I am in my office at a time outside of my office hours I will be happy to answer any questions you have.

Course Description:

- Emphasis on organic reactions and synthesis

Prerequisites:

- Organic Chemistry I (CHEM 3342)
- Organic Chemistry I Laboratory (CHEM 3143)
- If you did not take Organic Chemistry I at UT Tyler or it has been a while since you have taken the first semester of organic chemistry, please do not hesitate to come to me with questions or concerns about the course

Student Learning Outcomes:

By the end of this course, you should:

- Have the ability to predict the reactivity of certain classes of organic compounds.
- Be able to discuss and understand the rationale behind certain organic reactions.
- Use the concepts from Organic Chemistry I (CHEM 3342) to provide reasoning for the outcome of certain chemical reactions.
- Be able to come up with a logical plan to synthesize organic molecules using the reactions learned in this course as well as using the reactions from CHEM 3342

Course Meeting Times

Days of the week: Tuesday—Thursday

Class time: 8:00—9:20 AM

Room: RBS 1031

Tentative Exam Dates

Exam 1: Thursday, September 26th

Exam 2: Tuesday, October 22nd

Exam 3: Thursday, November 14th

Final Exam: Tuesday, December 10th 8-10 AM

**** Exam dates are subject to change depending on material covered.**

Tentative List of Course Topics

9. Addition Reactions of Alkenes

10. Alkynes

11. Radical Reactions (Partial Chapter)

12. Synthesis (Read on Your Own)

13. Alcohols and Phenols

14. Ethers and Epoxides

17. Conjugated Pi Systems (Partial Chapter)

18. Aromatic Compounds

19. Aromatic Substitution Reactions

20. Aldehydes and Ketones

21. Carboxylic Acids and Their Derivatives

22. Alpha Carbon Chemistry: Enols and Enolates

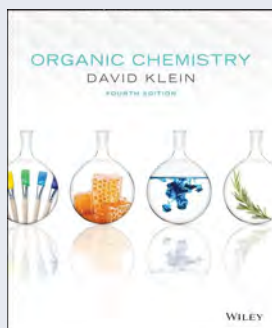
REQUIRED MATERIALS

Textbook

Organic Chemistry 4th Ed

by David Klein

ISBN: 9781119659594



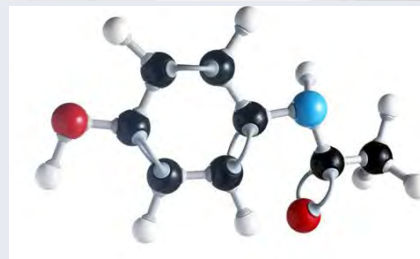
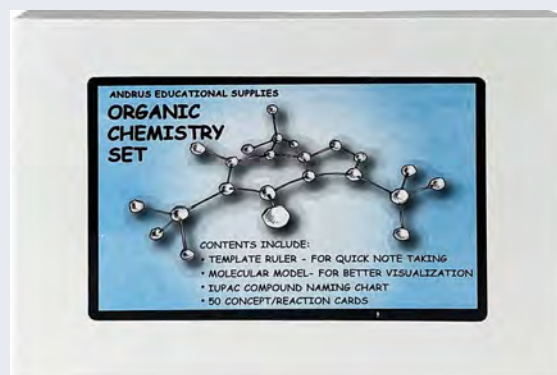
Aktiv Online Homework



RECOMMENDED MATERIALS

Molecular Modeling Kit

I highly suggest you obtain a model kit by the time we reach chapter four (alkanes) as it will be an invaluable tool in understanding the 3-D structure of organic molecules when we reach chapter five (stereochemistry).



COURSE GRADE

Your course grade will be based on the following:

Semester Exams 45%
Aktiv Homework 20%
In Class Quizzes 15%
Final Exam* 20%

Major Exams – There will be three (3) major examinations throughout the course and will constitute 45% (each worth 15%) of your overall grade in the course. Organic chemistry is a comprehensive subject. As such, each exam will build upon the prior topics – therefore, it is a necessity to not dismiss previously covered material.

Aktiv Online Homework – There will be a homework assignment for each chapter we cover assigned through the Aktiv online homework system. Your homework assignments together make up 20% of your overall grade and are therefore very important. Along with the homework assignments, there will be practice/review assignments that you can use to practice for your lecture exams or for the ACS standardized final exam.



In Class Quizzes – We will have quizzes that are given face-to-face in class on a regular basis. These quizzes will be given either at the beginning or at the end of class. **If you are late to class and miss a quiz, you cannot make it up. If you miss a class due to an absence that is not University excused, you cannot make it up.** These quizzes will SOMETIMES be open note or you will be allowed to work in teams. I will let you know what is allowed for each quiz at the time of the quiz.

Replacement Quizzes – There will be quizzes assigned on Aktiv that can be used to replace your lowest 5 quiz grades. This will help replace any missed quizzes that cannot be made up.

Final Exam – The final exam is comprehensive and will constitute 20% of your overall grade in the course. It is a standardized ACS exam that covers material from BOTH organic chemistry I and II!

The final exam score, if higher than any individual semester exam score, will replace only the lowest semester exam score (see below for an example calculation). If an exam is missed during the course of the semester, that exam will be counted as the lowest exam grade. If more than one exam is missed, only one will be replaced by the final exam.

Original Scores Calculation						
E1	E2	E3	HW	Q	F	Final Avg
73	80	60	88	82	85	78.9

Grade Replacement Calculation						
E1	E2	E3	HW	Q	F	Final Avg
73	80	85	88	82	85	82.6



All potential points for the course have been outlined in this section. *There are no other points to be awarded and no extra credit to be given.* If you come prepared for class and keep up with the material outside of class, you should feel no desire to seek extra credit.

CANVAS LEARNING SYSTEM AND PATRIOT EMAIL



This course will be hosted on UT Tyler's Canvas server. You may access your Canvas account online at <https://www.uttyler.edu/canvas>.

Patriot*Email

This site will contain a significant amount of information that will help you in this course. I will frequently use Canvas to send out announcements and reminders to the class. When I do so, you will also receive an email to your UT Tyler email account.

You should be checking your UT Tyler email account frequently. I will only respond to emails sent to me from your Patriot Email account, not your personal email account. *Also, I do not send grades through email.* If you have a question about your grades please come to my office and I will be happy to discuss them with you.

MAKE-UP POLICY

The following is from the UT Tyler Catalog:

Class attendance is the responsibility of the student. When a student has a legitimate absence, the instructor may permit the student to complete missed assignments. In many cases, class participation is a significant measure of performance, and non-attendance may adversely affect a student's grade. When a student's absences become excessive, the instructor may recommend that the student initiate a withdrawal.

Policy

If you must miss class for a legitimate reason (e.g. reasons outlined in the University Policies section), the instructor will grant a make-up for a missed quiz or exam, provided that the instructor is given at least two weeks advance notice of the absence. Also, keep in mind that the instructor decides for herself if a student's excuse for being absent is legitimate! Failed alarm clocks, being jailed, work conflicts, attending your crush's 21st birthday party, etc. will not constitute legitimate excuses.

Unexcused absences and their relation to missed quizzes or exams will be treated as follows. The two lowest quizzes of each type will be dropped. Everyone has a bad day or is absent every now and then for reasons not outlined in the University Policies or Catalog, such as being ill or for a doctor's appointment. Therefore, if a quiz is missed, it will count as one of the quizzes to be dropped. If a semester exam is missed, it will count as your lowest exam grade and the final exam will take the place of that semester exam as outlined in the Course Grade section.

• REGRADING POLICY

I will be very careful and consistent in the grading of your exams; however, errors in grading are possible. Questions concerning the grading of an exam should be submitted in writing before the next scheduled class meeting after the item was returned to you. Alternatively, you may see me during office hours (or any other time you find me available) with the suspect assignment or exam in hand. All scores will be considered final one week after originally being returned to you.

ATTENDANCE

Regular attendance is expected. Not attending lecture can cause you to get behind in understanding the course material and can also negatively affect your quiz average.

To be successful in this course you should attend each class meeting. Be on time and stay the entire class period. If you must miss class you are responsible for the material you missed in class that day.

CENCUS DATE AND LAST DAY TO WITHDRAW

Deadline for all registrations, schedule changes and section changes is Monday, September 9th and the last day to withdraw from the course is Monday, November 4th.

STUDENT ACADEMIC CONDUCT STATEMENT



- In this course, students are encouraged to study and to prepare for exams with one another. However, during exams, students are to work alone. Cheating will not be tolerated. The University regulations are very explicit about academic misconduct, and these regulations will be fully enforced. During exams, a code of honor will apply under which students are to work alone and neither give help to others nor receive help from any sources. Students also are expected to help enforce this code.
- The minimum penalty for cheating will be a zero on the exam or assignment in question. Maximum penalties, up to university expulsion, will be pursued in extreme or repeat cases.
- Students are encouraged to read or review the Undergraduate Academic Catalog available on the UT Tyler website.
- Any cell phone use or the use of any other “smart” device during exams or quizzes is considered cheating.

ARTIFICIAL INTELLIGENCE STATEMENT

UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools’ ethical, societal, philosophical, and disciplinary implications. All uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler’s Honor Code. Faculty and students must not use protected information, data, or copyrighted materials when using any AI tool. Additionally, users should be aware that AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit. Misusing AI tools that violate the guidelines specified for this course (see below) is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler’s Academic Integrity Policy.

For this course, AI is not permitted in this course at all. The work submitted by students in this course will be generated by themselves. This includes all process work, drafts, brainstorming artifacts, editing, and final products. This extends to group assignments where students must create collaboratively create the project. Any instance of the following constitutes a violation of UT Tyler’s Honor Code: a student has another person/entity do any portion of a graded assignment, which includes purchasing work from a company, hiring a person or company to complete an assignment or exam, using a previously submitted assignment and/or using AI tools (such as ChatGPT).

