

ORGANIC CHEMISTRY I

Spring 2024



UT Tyler
THE UNIVERSITY OF TEXAS AT TYLER

Instructor Information

Lauren Johnson, MS

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Office Hours:

M,W: 9:30—10:30

T: 1:30—3:30

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.

Tentative Exam Dates

Exam 1: Thursday, February 15th

Exam 2: Thursday, March 21st

Exam 3: Thursday, April 18th

Final Exam: Tuesday, April 30 (8:00—10:00 AM)

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

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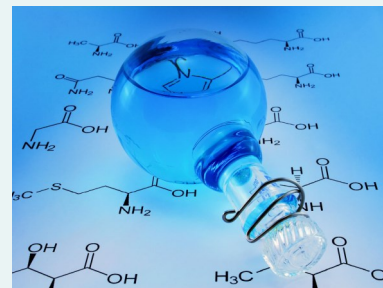
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COURSE MEETING TIMES

Day: Tuesday, Thursday

Time: 8:00—9:30 AM

Classroom: BRB 1030



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, January 29th** and the last day to withdraw from the course is **Monday, March 25th**.

PREREQUISITES

General Chemistry II (CHEM 1312)

General Chemistry II Laboratory (CHEM 1112)

Your general chemistry preparation will be very important to your study of organic chemistry. We do not have the time to review all of the topics discussed in general chemistry so if you it has been some time since you have had general chemistry, or you feel that the course you had was less than adequate, it is important that you take some time to review. This course will proceed as if you have a thorough understanding of general chemistry.

COURSE DESCRIPTION

Emphasis on structure-reactivity relationships, nomenclature, stereochemistry, reaction pathways, and synthesis.

DEPARTMENTAL CELL PHONE POLICY

Cell phones and smart watches/electronic devices must be put away during exams. If they are observed out in a visually accessible place (i.e. between legs, on the floor, etc.), it will be assumed that they are being used to cheat and your exam will taken, you will receive a zero score (0 points) for the exam, and you will be referred to the Office of Judicial Affairs.



HOW TO BE SUCCESSFUL IN THIS COURSE

A+

Organic chemistry is typically found to be a difficult course for most students. It would be in your best interest to read and apply the following tips.

- **Keep up with the reading assignments and practice problems. DON'T GET BEHIND!**

One of the most common mistakes students make in this course is procrastinating to the point of no return. Chemistry is a subject that builds on itself. What you learned in the previous chapters will remain relevant and important as the class moves forward. If you get behind, it is very hard to catch back up!

- **Attend class.**

Coming to class is very important. I will be working extra example problems and answering questions about the material. We will also have in class quizzes often (see Course Grade section).

- **Once you are in class, participate! (Facebook will not help you pass this course!)**  

- **Practice. Work problems!**

The best way to gain a strong understanding of the concepts we will discuss is practicing. Work through extra problems in your book. Also, take advantage of any extra practice or supporting material provided.

- **Take advantage of office hours and any tutoring opportunities.**

I am happy to help you if you feel you are falling behind, stuck on something or are just confused. Please come to my office hours or tutoring so that you can get the help you need and stay on track. I have an open door policy. If I am in my office and my door is open, come on in!

- **Do NOT wait until the last minute to study!**

Each exam covers multiple chapters worth of material and again, if you get behind it will be difficult to catch up.

- **Do NOT "brain-dump" after each exam.**

As mentioned above, this course builds on itself. Material you learn for Exam 1 will be important on Exam 2 as well and so on.

- **USE YOUR TEXTBOOK!**

Your book is an excellent resource. USE IT! Read the chapters and work the practice problems. You will be glad you did!

TENTATIVE LIST OF COURSE TOPICS

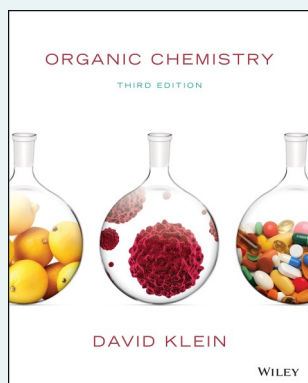
Tentative List of Course Topics

1. Review of General Chemistry (Briefly)	6. Chemical Reactivity and Mechanisms
2. Molecular Representations	7. Substitution Reactions
3. Acids and Bases	8. Alkenes: Structure and Preparation via Elimination Reactions
4. Alkanes and Cycloalkanes	9. Addition Reactions of Alkenes
5. Stereoisomerism	10. Alkynes

REQUIRED MATERIALS

Textbook

Organic Chemistry 3rd Ed



Aktiv Online Homework

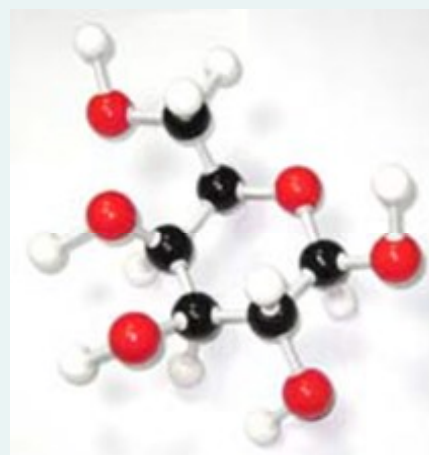


Item	ISBN
Textbook Hardcover Version	9781119378693

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 CHEM 101 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.

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.

STUDENT LEARNING OUTCOMES

By the end of this course, you should:

1. Have a greater understanding of the atomic and molecular structure, chemical bonding, molecular geometry, conformational analysis and stereochemical (3-D) relationships of organic molecules.
2. Be able to identify the name of an organic compound by observing its structure and/or its functional groups and be able to draw a specific organic compound from the appropriate systematic (IUPAC) name.
3. Rationalize the stereochemical and regiochemical course of standard organic reactions in terms of reaction mechanisms based on principles of energetics, reaction kinetics and thermodynamics.
4. Be able to predict the products as well as the mechanisms of certain chemical transformations. Specifically, the reactions of alkanes, alkenes and alkynes.

COVID-19 INFORMATION

It is important to take the necessary precautions to ensure a healthy and successful year. UT Tyler continues to urge you to protect yourselves against the flu, COVID and any new threats that may be developing. Be diligent about preventive measures such as washing hands, covering sneezes/coughs, social distancing and vaccinations, which have proven to be successful in slowing the spread of viruses. Encourage those who don't feel well to stay home, and if they show symptoms, ask them to get tested for the flu or COVID. Self-isolation is important to reduce exposure ([CDC quarantine/isolation guidelines](#)). Please work with your faculty members to maintain coursework and please consult [existing campus resources](#) for support.

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 (See the departmental cell phone policy section).

CONDUCT TOWARDS OTHERS

As you know, this is a chemistry course. Chemists come from all walks of life (e.g. varying ethnicities, different religious beliefs, gender, etc.) and it is important as scientists to be able to work professionally with others in different environments. Under no circumstances will any derogatory remarks or actions toward race, gender, religion, or the like be tolerated in this course.

UNIVERSITY TOBACCO POLICY

All forms of tobacco will not be permitted on the UT Tyler main campus, branch campuses, and any property owned by UT Tyler. This applies to all members of the University community, including students, faculty, staff, University affiliates, contractors, and visitors.

Forms of tobacco not permitted include cigarettes, cigars, pipes, water pipes (hookah), bidis, kreteks, electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and all other tobacco products.

UNIVERSITY CAMPUS CARRY POLICY

"We respect the right and privacy of students who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at <http://www.uttyler.edu/about/campus-carry/index.php>."

UNIVERSITY POLICIES

Students Rights and Responsibilities

To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link:
<http://www.uttyler.edu/wellness/rightsresponsibilities.php>

Grade Replacement/Forgiveness and Census Date Policies

Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or at <http://www.uttyler.edu/registrar>. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar.

Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract.

The Census Date is the deadline for many forms and enrollment actions that students need to be aware of. These include:

Submitting Grade Replacement Contracts, Transient Forms, requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit.

Receiving 100% refunds for partial withdrawals. (There is no refund for these after the Census Date)

Schedule adjustments (section changes, adding a new class, dropping without a "W" grade)

Being reinstated or re-enrolled in classes after being dropped for non-payment

Completing the process for tuition exemptions or waivers through Financial Aid

State-Mandated Course Drop Policy

Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the census date (See Academic Calendar for the specific date).

Exceptions to the 6-drop rule may be found in the catalog. Petitions for exemptions must be submitted to the Enrollment Services Center and must be accompanied by documentation of the extenuating circumstance. Please contact the Enrollment Services Center if you have any questions.

Disability/Accessibility Services

In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University offers accommodations to students with learning, physical and/or psychological disabilities. If you have a disability, including non-visible a disability diagnosis such as a chronic disease, learning disorder, head injury or ADHD, or you have a history of modifications or accommodations in a previous educational environment you are encouraged to contact the Student Accessibility and Resources office and schedule an interview with an Accessibility Case Manager. If you are unsure if the above criteria applies to you, but have questions or concerns please contact the SAR office. For more information or to set up an appointment please visit the SAR webpage (<http://www.uttyler.edu/disabilityservices/>) or the SAR office located in the University Center, Room 3150 or call 903.566.7079. You may also send an email to saroffice@uttyler.edu.

Student Absence due to Religious Observance

Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second class meeting of the semester.

Student Absence for University-Sponsored Events and Activities

If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

Social Security and FERPA Statement:

It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.

Emergency Exits and Evacuation:

Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.