UTTyler
THE UNIVERSITY OF TEXAS AT TYLER

Fall 2025

ORGANIC CHEMISTRY 1 LABORATORY

CHEM 3143 Syllabus

INSTRUCTOR CONTACT

Sean C. Butler, Ph.D.
Office: RBS 3031
Phone: 903-565-5654
Email: sbutler@uttyler.edu
Office Hours:
MW 10:00–11:30am
T 1:30–3:30pm

Jiyong Lee, Ph.D.
Office: RBS
Phone: 903-566-6275
Email: jiyonglee@uttyler.edu
Office Hours:
TW 11:00am–1:00pm

Bryan Tuten, Ph.D.
Office: RBS 3029
Phone: 903-566-7348
Email: btuten@uttyler.edu
Office Hours:
TR 11:00am–12:00pm
W 2:00–4:00pm

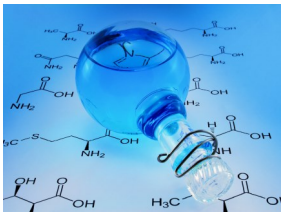
Lauren Johnson, MS
Office: RBS 3005
Phone: 903-565-5508
Email: laurenjohnson@uttyler.edu
Office Hours:
MF 9:30–11:00am
R 1:30–2:30pm

Joshua Lutz, Ph.D.
Office: RBS 3013
Email: jlutz@uttyler.edu
Office Hours:
M–F 10:00–11:00am

Anthony Shrout, Ph.D.
Office:
Email: ashrout@uttyler.edu
Office Hours:
TBA

Course Description

Basic experiments in organic chemistry.



Section	Day/Time	Room	Instructor
001	Monday/ 1:00-5:00 PM	RBS 2015/4012	Tuten
002	Tuesday/ 1:30-5:30 PM	RBS 2015/4012	Johnson
003	Tuesday/ 5:30-9:30 PM	RBS 2015/4012	Lutz
004	Wednesday/ 1:00-5:00 PM	RBS 2015/4012	Johnson
005	Thursday/ 1:30-5:00 PM	RBS 2015/4012	Butler
006	Thursday/ 5:30-9:30 PM	RBS 2015/4012	Shrout
007	Friday/ 1:00-5:00 PM	RBS 2015/4012	Lee
008	Wednesday/ 5:00-9:00 PM	RBS 2015/4012	Lutz

PREREQUISITES AND COREQUISITES

General Chemistry I (CHEM 1311) & General Chemistry I Lab (CHEM 1111)
General Chemistry II (CHEM 1312) & General Chemistry II Lab (CHEM 1112)
Organic Chemistry I (CHEM 3342): *Currently Enrolled or Previously Completed*

We cannot stress enough how vital your general chemistry preparation will be to your study of organic chemistry. If 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.

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).**

Student Academic Conduct

In this course, students are encouraged to study and to prepare for quizzes, exams and laboratory experiments with one another. ***However, when taking quizzes, exams or writing laboratory reports, students are to work alone. Students should turn in original work and those retaking this course may not turn in previously completed work from past semesters.***

Cheating and/or plagiarism* will not be tolerated. The University regulations are very explicit about academic misconduct, and these regulations will be fully enforced. ***During quizzes, 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 quiz or assignment in question. **Maximum penalties, up to university expulsion, will be pursued in extreme or repeat cases.**

[*plagarism - The practice of taking someone else's work or ideas and passing them off as one's own. (This includes the instructor's PowerPoint presentations and any other material given out during the course).]

Students are encouraged to obtain a copy of *A Student Guide to Conduct and Discipline at UT Tyler*, available in the Office of Student Affairs.

UT Tyler Honor Code:

I embrace honor and integrity. Therefore, I choose not to lie, cheat or steal, nor to accept the actions of those who do.

STUDENT LEARNING OUTCOMES

1. Better understand the principles and topics of organic chemistry which have been discussed in the lecture (CHEM 3342).
2. Safely handle laboratory glassware, equipment, and chemical reagents using general guidelines and basic knowledge about the common hazards associated with operations performed in an organic laboratory.
3. Perform basic synthetic organic techniques as well as learn to use common equipment and apply methodologies found and used in the routine organic chemistry laboratory.
4. Perform the laboratory skills needed to determine the chemical and physical properties of organic compounds.
5. Comprehend and follow laboratory instructions.
6. Interpret laboratory results and data correctly and report findings in a scientific notebook using acceptable and appropriate notational and descriptive content that is understandable and reproducible.
7. Write in such a manner that clearly presents scientific data (e.g. possessing the ability to reiterate meaningful observations and form logical conclusions based on experimental data).
8. Use infrared spectroscopic techniques as an aid in determining functional groups and molecular structure. Also, predict infrared spectral properties of a given organic chemical structure.

Laboratory Attendance Policy

Attendance is ***required*** in the laboratory. **You cannot perform an experiment if you are not present!** Unexcused absences will result in a *grade of zero for any and all* work missed. Only students with **OFFICIAL** excused absences (see University Policies) will be allowed to receive a grade for work missed during the absence. It is the student's responsibility to see the instructor to make up any work missed during an absence.

Census Date and Last Day to Withdraw

Deadline for all registrations, schedule changes, and section changes is **Monday, September 8th, 2025**.

The last day to withdraw from one of more courses is **Monday, November 3rd, 2025**.

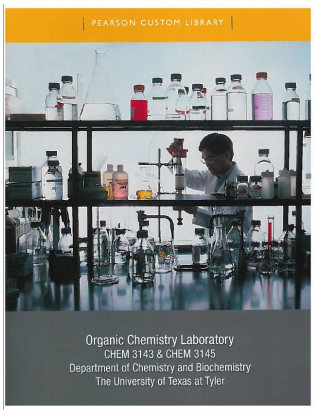
Required Materials

1. **TEXTBOOK** Organic Chemistry Laboratory

   Author: John W. Lehman

   ISBN: 978-1-323-35212-0

2. **Laboratory Notebook with <u>Carbonless Copies</u>**
3. **Indirectly Vented Safety Goggles**
4. **Scientific Calculator**



Recommended Materials

Laboratory apron or coat.

CANVAS LEARNING SYSTEM

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

This site will contain a significant amount of information that will help you in this course.

To log on to Canvas and to view this course, complete the following:

1. Go to http://www.uttyler.edu/canvas or follow the "Canvas Log-in Link" at the top of the UT Tyler home page (www.uttyler.edu) under "UT Tyler Logins."

2. Enter your "Username" and "Password". This will take you to your personal Canvas home page. You will see this page every time you "Login" to the Canvas server. This is NOT your course; this is just your Canvas home page.

3. You will see all of the courses for which you are registered. If you are enrolled in a class that you should not be enrolled in, contact the instructor for that course. Note: not all instructors will use Canvas even if there is Canvas course for it.

4. If you are having trouble with your Canvas account, please send an email to itsupport@patriots.uttyler.edu or stop by the Campus Computing Center in RBN 3022.

COURSE GRADE

Experimental:	**75%**
Quizzes:	**10%**
Exam:	**15%**

Experimental (75% of Total Grade) will be based on

Lab Reports (7)

1. Laboratory Notebook
2. Experimental Procedure (Quality of your Lab Technique)
3. Experimental Results (Quality of Your Results)
4. Preparation in Lab (Orderliness, Cleanliness, Overall Preparedness)

All lab reports will be completed through Canvas assignments. No paper lab reports will be turned in this semester. Instructions on completing these assignments will be given in class and on Canvas.

Paper Labs (2)

Quizzes and Exams (25% of Total Grade)

There will be a series of ten (8) quizzes that will be available on Canvas. These quizzes are due before the start of lab and will usually be available a week before that lab period. These quizzes will cover material that you should have read prior to lab and information covered in the pre-lab lecture PowerPoint (also available on Canvas).

There will be one cumulative exam at the end of the semester. This exam is vitally important in accessing your understanding of key concepts learned in the course and you should take it seriously. During this exam, the use of any online resources is considered cheating. This includes sites like Chegg, Reddit, Course Hero, etc. If any exam materials are found on these sites, all information will be collected and turned over to the Office of Judicial Affairs on campus.

Grading Policy

We will be very careful and consistent in the grading of your reports and quizzes, however errors in grading as possible. Questions concerning the grading of a report, quiz or exam should be submitted to the professor of your lab section in writing ***before*** the next scheduled class meeting after the item was returned to you. Alternatively, you may see your professor during office hours (or any other time you find them available) with the suspect report or quiz in hand. All scores will be considered final one week after originally being returned to you.