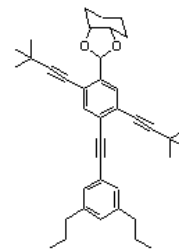


Organic Chemistry II (CHMB42) – Summer 2022 University of Toronto Scarborough



Welcome to CHMB42! Organic chemistry is my passion – it's what got me hooked on studying chemistry when I was in my second year of undergraduate studies. I know that this subject can be intimidating for some, and yes, it is going to require some hard work on your part. But, I hope to make it worth your while by exposing you to some of the exciting aspects of this diverse field and by helping you see its connections to your everyday lives. Before we get started, please take a few minutes to read through this document. It contains important information which will help ensure your success.

Instructor (Labs and Lectures):

Dr. Effie Sauer

Email: effie.sauer@utoronto.ca

Office Hours:

Tuesdays & Thursdays 12:30-2:00 pm

Office hours are a chance to meet with me, Dr. Sauer, and ask any questions you may have about the course material – or about chemistry in general! Unless otherwise announced, office hours will be held online via Zoom (see Quercus for links).

Lectures:

Tuesdays 10:10 am – 12:00 pm, SW128

Thursdays 10:10 am – 12:00 pm, MW170

When run in the winter semester, this course has 3 lecture hours per week instead of 4. The extra lecture hour each week in the summer term allows me to schedule the term tests in lecture time, and also shortens the course a bit at the end of the term allowing students more time to digest the material before the final exam. Pending unforeseen circumstances, that last day of lectures will be July 28th 2022.

WebOption:

All course lectures, including student participation, will be recorded on video and will be available to students in the course for viewing remotely after each session. Course videos and materials belong to the instructor and the University and are protected by copyright. Do not download, copy, or share any course or student materials or videos without the explicit permission of the instructor.

Please note that there is not an official online section for this course; the WebOption recordings are intended to supplement class attendance, not replace it.

Text:

We will be using Top Hat to access the digital textbook: *Organic Chemistry: Mechanistic Patterns*, 2nd Edition by William Ogilvie et al. If you already have a Top Hat account from CHMB41, go to <https://app.tophat.com/e/530419> to be taken directly to this course's digital textbook. If you are new to Top Hat, go to <https://app.tophat.com/register/student>; search for this course's digital textbook with the join code **530419** and follow the prompts.

Email Policy:

Please do not send questions about course content to Dr. Sauer by email; these should be asked during office hours OR directed to the course discussion platform, Piazza (see below). Email should be reserved for times when personal information needs to be shared (*your* circumstances, *your* grades, etc.). These emails should be sent using a *utoronto.ca* email address to avoid having your message filtered out as spam.

Discussion Board:

This course will be using Piazza for class discussion. The system is designed to get you help fast and efficiently from classmates, the TAs, and myself. Rather than emailing questions to the teaching team, I encourage you to post your questions on Piazza. You can find the class signup link in the main Quercus menu.

Tutorials:

This course has weekly, one-hour tutorials which begin the week of May 16th. Students will work in small groups to complete problem sets. In some weeks, the problems sets will be graded and counted toward your tutorial mark; in other weeks, the group problem sets will be for practice only, and the tutorial grade will come from a short quiz written in the last 10 minutes of the tutorial. See Quercus for a detailed schedule showing what content you are responsible for each tutorial. Each tutorial counts for 1% of your final grade with the lowest three grades being dropped.

Labs:

Students are required to attend a four-hour lab, approximately every other week (see Quercus for schedule). There will be two online experiments and three in-person experiments worth a combined 25% of your final course grade. The laboratory component of CHMB42 is compulsory, and, ***in order to pass the course, you must also pass the lab component.***

Required Items for the Lab:

Students must purchase a lab manual from the UTSC bookstore before their first lab. Manuals from past semesters may not be used. In addition to the lab manual, students will also need a hard-cover notebook, a lab coat and safety goggles. Details on these items, as well as important instructions on preparing for your first lab period can be found in the introductory pages of your lab manual. Make sure you read them before your first lab!

Online WHMIS Videos and Safety Quiz:

Before arriving to your first lab period, you are required to watch a series of WHMIS laboratory safety videos and complete an online safety quiz. These are found on your Quercus dashboard, listed as: UTSC 20225 Chemistry Lab Safety WHMIS training. Follow the instructions presented there. You must achieve a score of 80% or better on the quiz to be allowed to enter the lab. Your TAs will be checking your score on the quiz when you arrive on your first lab day; Please be prepared to show them your quiz results either on your phone or as

a printed hard copy. NOTE: The date on the quiz must be from this term (Summer 2022); even if you've taken the quiz in a previous semester, it must be repeated for the current semester.

Term Tests:

There will be two, 90-minute term tests written in-person during class time. The first will be Tuesday June 7th and will cover content from Chapters 9, 10 and 12; the second will be Tuesday July 19th and will cover content from Chapters 13-16, as well as some material from the first term test. Further details will be posted on Quercus closer to the date of each test.

Final Examination:

There will be a 3-hour, **cumulative** exam written during the end of semester exam period. The exam will cover **both lab and lecture material**. The exact date, time and location will be announced as soon as they are available.

Course Engagement Grade:

To help keep everyone motivated in the course, there is a 1% grade for course engagement. There are four ways of earning credit towards this 1%:

- Attend at least 75% of the lectures
- Regularly post and/or answer questions on Piazza (average 2 posts/replies per week)
- Complete at least 75% of the assigned TopHat textbook questions

Each of the above activities is worth 0.5%; pick any two to earn the full 1%.

Method of Evaluation:

Graded Work	Value
Laboratory	25%
Term test 1	14%
Term test 2	20%
Tutorials	7%
Course engagement	1%
Final exam	33%
TOTAL	100%

Note: To pass the course, you must meet **ALL** of the following criteria:

- 1) Earn a passing grade in the course overall (> 50%)
- 2) Pass the theory portion of the course (average of tests, exams, tutorials)
- 3) Pass the lab portion of the course
- 4) Complete at least 4 of the 5 lab experiments

If you earn a passing grade in the course overall, but fail to meet one or more of the above criteria, your final grade will be lowered to 49%.

Policy on Missed Labs and Term Tests:

If you need to miss a lab or term test for any legitimate reason, the following steps must be taken:

1. Self-declare your absence on ACORN.
2. Contact Dr. Sauer by email (effie.sauer@utoronto.ca) with the details of your absence. This should be done as soon as possible. If you have missed a lab, be sure to include your PRA number.

Once your absence has been validated, accommodations will be made for the missing grades. For missed term tests, students will be given the choice of either writing a make-up test, or moving the weight of the missed test to the final exam. For missed in-person labs, every effort will be made to schedule a make-up lab. If this is not possible (due to space or scheduling restrictions), the missing lab grades will be redistributed over the remaining lab grades.

If no explanation for your absence is provided within one week, you will receive a grade of zero for the missed lab and/or test. For labs, this zero applies to all aspects of the missed experiment (products, data sheet, notebook, quizzes, lab performance, etc.).

Policy on Missed Tutorials:

If a student misses a tutorial for any reason, the missing grade will count as one of the three lowest grades that is automatically dropped from the final tutorial grade (there are 10 tutorials, each worth 1%; the lowest three scores are dropped leaving a 7% tutorial grade). Because these grades are automatically dropped for all students, **missed tutorials do NOT need to be brought to the attention of Dr. Sauer, nor will accommodations be made for requests to attend a make-up tutorial.** Any additional tutorial absences beyond the first three will be given a grade of zero and will be counted in the tutorial mark.

Ancillary Fees:

The Department of Physical and Environmental Sciences at UTSC provides state-of-the-art education in chemistry. Chemistry being an experimental science makes learning in a laboratory setting critical. In order to provide the latest technology to enhance the student learning experience, UTSC will be charging ancillary fees for all chemistry courses that have a laboratory component. These fees are used to recover the cost of materials and services used during the lab and to maintain and upgrade the equipment used by students. For more information regarding ancillary fees, students are encouraged to visit the following website: http://www.planningandbudget.utoronto.ca/Tuition_and_Ancillary_Fees_Cover/Ancillary_Fees.htm

Accessibility:

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the AccessAbility Services Office as soon as possible. I will work with you and AccessAbility Services to help you can achieve your learning goals in this course. Enquiries are confidential. The UTSC AccessAbility Services staff (located in AA142) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations (416) 287-7560 or ability@utsc.utoronto.ca. Please note that their services are in high demand; you are encouraged to approach them early in the semester to ensure that any accommodation you may need will be in place in time.

Academic Integrity:

Academic integrity is one of the cornerstones of the University of Toronto. It is critically important both to maintain our community which honours the values of honesty, trust, respect, fairness and responsibility and to protect you, the students within this community, and the value of the degree towards which you are all working so diligently.

According to Section B of the University of Toronto's Code of Behaviour on Academic Matters <http://www.governingcouncil.utoronto.ca/policies/behaveac.htm> which all students are expected to know and respect, it is an offence for students to:

- To use someone else's ideas or words in their own work without acknowledging that those ideas/words are not their own with a citation and quotation marks, i.e. plagiarism.
- To include false, misleading or concocted citations in their work.
- To obtain unauthorized assistance on any assignment.
- To provide unauthorized assistance to another student. This includes showing another student completed work.
- To submit their own work for credit in more than one course without the permission of the instructor.
- To falsify or alter any documentation required by the University. This includes, but is not limited to, doctor's notes.
- To use or possess an unauthorized aid in any test or exam.

There are other offences covered under the Code, but these are by far the most common. Please respect these rules and the values which they protect. Offences against academic integrity will be dealt with according to the procedures outlined in the Code of Behaviour on Academic Matters.