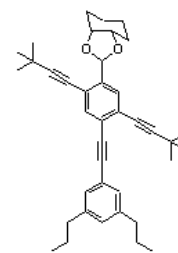


Organic Chemistry II (CHMB42) – Summer 2021 University of Toronto Scarborough



Dear Student,

Welcome to CHMB42 – The COVID edition! Organic chemistry is my passion – it's what got me hooked on studying chemistry back when I was in my second year of undergraduate studies. I am excited to be teaching this course and sharing with you the many exciting ways in which organic chemistry impacts our lives. That said, *this course was never intended to be an online-only course*. I say this because I have had to make concessions to how the course is delivered this term even though I know it is not optimal for everyone. I hope you will bear with me as we navigate this new format together. With any luck, we will get to meet in person at some future date – perhaps in a future chemistry course!

Dr. Sauer

Instructor:

Dr. Effie Sauer (she/her)
EV554 (though I'm working off campus until further notice)
Email: effie.sauer@utoronto.ca

Office Hours:

Mondays 12:00-1:30 noon; Wednesdays 9:00-10:30 pm (evening)
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! Join using Bb Collaborate in Quercus. While text-based chat is possible, it is **much** easier to communicate if you have a mic and speakers set up. There is also a digital whiteboard and an option to share screens.

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 Board. 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.

Lectures:

Each week, there will be a set of pre-recorded lectures to watch (asynchronously), as well as one live lecture (synchronous) taking place during the scheduled class times. Most weeks, the live

lecture will be on Thursdays at 10 am, but on a few weeks, the lecture will be on Tuesday instead; check the schedule on Quercus for the specific lecture date each week.

The pre-recorded lectures focus on the theory portion of the course with very little time spent on problem solving. In contrast, the live lectures will focus almost entirely on problem solving. They will be interactive sessions with lots of opportunities for students to ask and answer questions. To get the most out of the live lecture, the expectation is that students will have watched the pre-recorded lectures ahead of time.

Text:

All students are expected to have a copy of *Organic Chemistry: Mechanistic Patterns*, by William Ogilvie et al. This is the same text used in CHMB41, so most students will already have a copy. If you need to purchase a copy, you can get a physical text either through the UTSC Bookstore, Amazon, or direct from the publisher (https://retail.tophat.com/products/9780176500269?_pos=2&_sid=5592d74e3&_ss=r). A PDF of the text is also available from the bookstore or the publisher (same link as above).

Grading Scheme:

Details on each of these items can be found in the sections which follow.

Graded Work	Weight
Weekly quizzes (10 x 0.5%)	5%
Online Labs (4 x 4%)	16%
Term test 1	18%
Term test 2	20%
Final exam	40%
Course Engagement	1%
TOTAL	100%

To pass the course, students must meet ALL of the following criteria:

- Earn a passing grade in the course (> 50%)
- Earn a passing grade in the lab portion of the course (> 50%)
- Pass either the final exam, or both term tests

Weekly Quizzes:

Each week, there will be a short online quiz based on the lecture material. These quizzes are intended to test your **basic** understanding of the lecture material before you proceed to the more in-depth problem solving needed for the assigned textbook questions, tutorial problems and exam questions. Unless otherwise announced, these quizzes will be due **Saturdays at 11:59 pm**. You have unlimited attempts for each quiz, and each one is worth 0.5% of your final grade.

Laboratory:

Chemistry is a practical science, making hands-on laboratory experiences an integral part of any chemistry course. Under normal circumstances, students are required to complete and pass five in-person labs in order to pass the course. **Given the current COVID crisis, in-person labs are not permitted.** One of the five labs normally completed has been reformatted into a self-study activity. The remaining four labs have been converted into a series of online lab activities meant

to replicate the primary learning objectives of the lab experience. Of course, the reality is that nothing can truly replace the opportunity to physically hold and manipulate the glassware and instrumentation directly. As a department, we recognize that online labs cannot fully replace the learning that should be taking place in-person. We are actively exploring **ways for interested students to make up any missing lab skills in a future semester once regular in-person instruction resumes**. These optional lab experiences will be available to all students enrolled in a chemistry program. Details will be shared as soon as they are available.

The four online labs will take place asynchronously. Each lab module will be available for a 5-day period according to the schedule below. During this time, students will work through the various lab elements in order, at their own pace. Each Practical section will be assigned a TA who will maintain an online discussion board and hold regular drop-in sessions for students needing help. Further details on the labs will be available on Quercus.

Lab Number and Title	Availability	Due Date
1 – Introduction to TLC	May 23 rd – May 27 th	May 27 th , 11:59 pm
2 – Bromination of Phenol	June 13 th – June 17 th	June 17 th , 11:59 pm
3 – Dehydration of <i>tert</i> -Amyl Alcohol	July 4 th – July 8 th	July 8 th , 11:59 pm
4 – Aspirin Synthesis	July 25 th – July 29 th	July 29 th , 11:59 pm

Term Tests:

There will be two, 90-minute term tests throughout the semester. Tests will be written online using the Quercus quiz and assignment functions at the following dates and times:

- Test 1 – Tuesday June 8th, 2021 at 10:00 am
- Test 2 – Tuesday July 20th, 2021 at 10:00 am

Note that these test times correspond to the scheduled Tuesday lecture timeslot; the expectation is that all students will be available for these tests.

Final Examination:

There will be a 3-hour, cumulative exam written online during the end of semester exam period. The exam will be cumulative, covering all content from the course. The exact date and time will be announced as soon as this information becomes available.

Course Engagement:

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 10 of the 12 live lectures
- Attend at least 7 of the 8 regularly scheduled tutorials
- Regularly post and/or answer questions on the discussion board (average 1 post/week)
- Regularly attend office hours/review sessions (average once/week)

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

Policy on Missed Tests/Labs/Quizzes:

Missed quizzes do not require documentation; they will simply count as one of the two lowest grades that are automatically dropped.

If you miss a lab or term test for any legitimate reason, you must complete the [Missed Term Work Form](#) within 5 business of the missed assessment's due date. If this form is not received, a grade of zero will be assigned for the missed work. After you submit the form, you will be contacted by email to discuss appropriate accommodations. Depending on the circumstances, this could be an extension for the missed work, a redistribution of the missed grade over other course grades, or a make-up test. Note that make-up tests will be given as oral exams.

Tutorials:

Beginning in the second week of classes, there will be weekly online tutorials run through Bb Collaborate. These tutorials are optional, however, I strongly encourage you to attend regularly if you are able. Each week, the TAs will run through a selection of sample problems related to the previous weeks' lectures. During weeks when there is a term test, the regular tutorials will be replaced by review sessions led by tutorial TAs. The dates and times of these review sessions will be announced the week before each test.

Discussion Board:

This course will maintain an active Discussion Board for posting course-related questions. Posting here ensures that all students in the course can benefit from the questions and answers. The Discussion Board will be monitored daily by Dr. Sauer. You are also encouraged to answer each other's questions.

Facilitated Study Groups (FSGs):

To further support student learning, this course will have online Facilitated Study Groups run through the Centre for Teaching and Learning. These weekly sessions are open to all students taking this course who want to improve their understanding of course material, improve their study techniques, and improve their grade. Attendance is voluntary. In these sessions you will compare notes, discuss important concepts, develop study strategies, and prepare for exams and assignments on course material. Course material is NOT re-lectured. The FSG's are led by a trained facilitator who has previously taken the course. Exact details as to when/how they will be offered will be posted on Quercus.

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 ensure you can achieve your learning goals in this course. Enquiries are confidential. The UTSC AccessAbility Services staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations. They can be reached at (416) 287-7560 or ability.uts@utoronto.ca.

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 obtain unauthorized assistance on any test or assignment.
- To provide unauthorized assistance to another student. This includes showing another student completed work.
- 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 the ones most relevant for this course. 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.