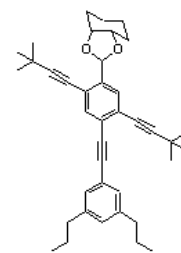


Organic Chemistry II (CHMB42) – Winter 2021 University of Toronto Scarborough



Dear Student,

Welcome to CHMB42 – The COVID-19 version! 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 11:00-12:30 noon; Wednesdays 9:00-10:30 pm (evening!)
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:

All lectures in the course are online; however, there are two options for how you view/participate. Both options are equivalent in terms of content – it's just a matter of your preference.

- **Option A (fully asynchronous)**: All lectures are pre-recorded; you can view them on your own time. Note that this set of lectures was prerecorded in a previous semester when

classes were on campus. This means that they include references to labs, tests, assignments and announcements that are not relevant for this semester. This option requires you to watch ~ 2.5 hours of lectures per week.

- **Option B (hybrid delivery):** A mix of pre-recorded lectures (asynchronous) and live lectures (synchronous). The pre-recorded lectures for this option are being recorded specifically for this semester and include only the theory portion of the lectures; very little time is spent on problem solving. Instead, the problem solving will take place during weekly synchronous lectures; these will be interactive online sessions with opportunities for students to ask and answer questions. This option requires you to watch ~ 1.5 hours of lectures each week and attend a ~ 1 hour online lecture every Friday from 2-3 pm EST. If you are not available for this Friday lecture, you should choose Option A above.

A detailed schedule for both options can be found on Quercus. It includes lecture slides, and links for which lectures to watch each week.

Text:

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
Post-lecture quizzes (10 x 0.5%)	5%
Online Labs (4 x 4%)	16%
Term tests (3 x 14%)	42%
Final exam	37%
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 at least two of the term tests OR pass the final exam

Post-Lecture Quizzes

After each week of lectures, 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 practice problems, 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. In addition, you may drop the lowest two scores such that only the top 10 quizzes will be counted.

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 (note this is different than what's indicated on ACORN). 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	Jan. 24-28	Jan. 28 th 11:59 pm
2 – Bromination of Phenol	Feb. 21-25	Feb. 25 th 11:59 pm
3 – Dehydration of <i>tert</i> -Amyl Alcohol	March 14-18	March 18 th 11:59 pm
4 – Aspirin Synthesis	April 4-8	April 8 th 11:59 pm

Note: Students who attempted this course in a previous semester (2018-2020) and successfully completed the lab portion of the course may elect to have their lab grades repurposed for this course. This will exempt them from needing to complete the labs this semester. Contact Dr. Sauer if you would like to make use of this option.

Term Tests:

There will be three, one-hour tests throughout the term. Tests will be written online using the Quercus quiz and assignment functions. Each test will be worth 14% of your final course grade. These tests have been scheduled as follows:

- Test 1 – Thursday February 11th, 2021 at 9:00 am EST
- Test 2 – Thursday March 11th, 2021 at 9:00 am EST
- Test 3 – Thursday April 1st, 2021 at 9:00 am EST

Note that these test times correspond to the scheduled Thursday 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 lecture portion of the course. The exact date and time will be announced as soon as this information becomes available. The final exam will be worth 37% of your final course grade.

Policy on Missed Tests/Labs/Problem Sets:

If you miss any course work for a legitimate reason, you must email Dr. Sauer as soon as possible. Supporting documentation will be required to verify the reason for your absence. At the time of writing this syllabus, absences due to COVID and other medical issues can be self-declared on ACORN. Until the University changes this policy, these self-declarations will be considered acceptable documentation for all medical-related absences.

Once appropriate documentation has been received, the grades for the missed term work will be redistributed over the other related work. If no documentation for an absence is provided, a grade of zero will be assigned for the missed work.

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. They will also be available to answer student questions.

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 and possibly a TA. You are also encouraged to answer each other's questions when you are able.

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@utsc.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 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. to commit plagiarism.
- To include false, misleading or concocted citations in their work.
- To obtain unauthorized assistance on any test or 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.