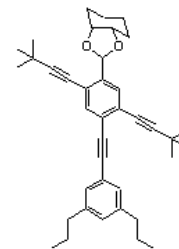


Organic Chemistry II (CHMB42) – Winter 2019 University of Toronto Scarborough



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

EV554

Email: esauer@utsc.utoronto.ca

Office Hours: Mondays and Thursdays, 11:30 am – 1:00 pm

Email Policy:

Please use a valid "utoronto.ca" account for all CHMB42 correspondence. Emails received from other accounts may be filtered out as spam and not received. When composing your email, please use professional language. Sign the email with your first and last name, as well as your student ID. Unless it is a weekend or holiday, messages will be answered within 36 hours.

Lecture Schedule:

Mondays 10:10-11:00 am, SY110

Thursdays 9:10-10:00 am, SW309

Fridays 2:10-3:00 am, SW309

Online Lectures (Web Option):

The LEC60 section of this course is online only. Lectures will be recorded and posted for viewing through Quercus. If you are enrolled in the LEC60 section but wish to attend the live lecture, you may – **provided that there is seating available.**

Text:

Organic Chemistry: Mechanistic Patterns, by William Ogilvie et al. This text is available for purchase at the UTSC Bookstore as a bundle with the student solutions manual (contains full solutions to all odd numbered end-of-chapter questions). If you do not want the solutions manual, you can purchase the text instead through Amazon or Chapters/Indigo. Alternatively, you can purchase a used copy of the text, or use one of the copies on reserve in the library.

Tutorials:

This course has weekly, one-hour tutorials which begin the week of January 14th. 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 the course schedule below for details on what content you are responsible for each tutorial, as well as the assessment format each week. 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, every other week. There are five lab experiments in total, worth a combined 20% of your final course grade (plus another 5% from lab material on the final exam). The laboratory component of CHMB42 is compulsory, and, ***in order to pass the course, you must also pass the lab component.*** Your lab schedule is determined by your practical number. Odd numbered practicals (e.g. PRA001, PRA003) will start the week of January 14th; even numbered practicals (e.g. PRA002, PRA004) will start the week of January 21st.

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. If you don't already have approved goggles or a lab coat, you may purchase these items from the UTSC bookstore, or from the Environmental and Physical Sciences Student Association (EPSA). 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 will be 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: Workplace Hazardous Materials Information System. Follow the instructions presented there. You must achieve a score of 80% or better on the quiz to be allowed to enter the lab. Once you have completed the quiz, print out a hard copy of your results showing your name and quiz score. **You must give this sheet to your TA as you enter the lab on your first lab day.** Showing it to the TA on your phone is not adequate; a paper copy is required. NOTE: The date on the quiz must be from this term; even if you've taken the quiz in previous semesters for other courses, it must be repeated for the current semester.

Lab Skills Seminars:

To help you prepare for your labs, there will be a one-hour seminar offered the week before the start of each new experiment. These will be held on the following dates:

- Friday January 11th (Experiment 1)
- Friday January 25th (Experiment 2)
- Friday February 8th (Experiment 3)
- Friday March 15th (Experiment 5)

The exact time and location will be announced as soon as it's available. For those of you who cannot make the set times, the seminars will be recorded and posted on Quercus via the WebOption link. Please note, however, that **the seminars will not run if fewer than 10 students show up.** This is as a courtesy to your lab demonstrators who will be running the seminars, and who would not appreciate lecturing to an empty room!

Term Tests:

There will be two, 75 minute term tests written outside of class time. The exact date, time, location and material to be tested will be announced as soon as the tests are scheduled by the registrar's office. Note that the second term test will be cumulative and will include some material from the first term 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.

Policy on Labs and Term Tests:

Should you miss a lab or term test due to a legitimate reason, you must contact Dr. Sauer as soon as possible. If the reason for your absence is medical, an official UTSC medical note must be downloaded from the UTSC registrar's website and completed by your doctor (http://www.utsc.utoronto.ca/~registrar/resources/pdf_general/UTSCmedicalcertificate.pdf).

Note that the completed note must meet the following criteria:

- Your physician must have examined you during the period of illness/injury (not before or after the fact).
- The missed test or lab must fall within the indicated start date and anticipated end date.
- The physician must rank your illness as either moderate, serious or severe; illnesses deemed mild or negligible will not be considered valid excuses. This is a departmental policy.

If no acceptable documentation is provided, 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.).

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 exam, or redistributing the missed test grade equally over the other term test and final exam. For missed labs, every effort will be made to schedule a make-up lab. If this is not possible (due to space or schedule restrictions), the missed lab grades will be moved to the lab portion of the final exam. Note that students must complete at least 4 of the 5 experiments to pass the course.

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 11 tutorials, each worth 1%; the lowest three scores are dropped leaving an 8% tutorial grade). Because these lowest 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.

Method of Evaluation:

Graded Work	Value
Term test 1	17%
Term test 2	20%
Laboratory	20%
Tutorials	8%
Final exam*	35%*
TOTAL	100%

**Divided into 30% lecture content and 5% lab content*

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

- 1) Earn a passing grade in the course overall (> 50%)
- 2) Earn a passing grade in the lab overall (> 50%)
- 3) Complete at least 4 of the 5 lab experiments
- 4) Pass at least one of the term tests or the final exam

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

Course Schedule:

Week of	Lecture Content*	Tutorial Content**	Tutorial Assessment	Labs
January 7 th	Chapter 9	----	----	----
January 14 th	Chapter 10	Chapter 9	Group problem set	Exp't 1 (odd)
January 21 st	Chapter 10	Chapter 10 (part 1)	Group problem set	Exp't 1 (even)
January 28 th	Chapter 12	Chapter 10 (part 2)	Quiz	Exp't 2 (odd)
February 4 th	Chapter 13	Chapter 12	Group problem set	Exp't 2 (even)
February 11 th	Chapter 13	Chapter 13 (part 1)	Quiz	Exp't 3 (odd)
Reading Week				
February 25 th	Chapter 14	Chapter 13 (part 2)	Group problem set	Exp't 3 (even)
March 4 th	Chapter 15	Chapter 14	Quiz	Exp't 4 (odd)
March 11 th	Chapter 15	Chapter 15 (part 1)	Group problem set	Exp't 4 (even)
March 18 th	Chapter 16	Chapter 15 (part 2), Chapter 16	Group problem set	Exp't 5 (odd)
March 25 th	Chapter 17	Chapter 17 (part 1)	Quiz	Exp't 5 (even)
April 1 st	Chapter 17/18	Chapter 17 (part 2)	Group problem set	----

**See Quercus for specific textbook readings and recommended problems*

*** See Quercus for specific textbook sections pertaining to that week's tutorial*

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.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 S302) 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. to commit 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.