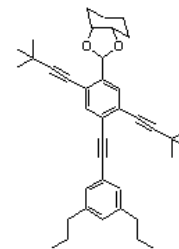


Organic Chemistry II (CHMB42) – Summer 2019 University of Toronto Scarborough



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: Tuesdays 2:30 – 4:00 pm AND Thursdays 10:00–11:30 am

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:

Tuesdays 12:10 pm – 2:00 pm, SW319

Thursdays 12:10 pm – 2:00 pm, SW319

WebOption:

All lectures will be recorded and posted for viewing through Quercus. Recorded lectures will stay up for 2 weeks after posting. Please note that this is not an official online section and is intended to supplement class attendance, not replace it.

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 semi-weekly, one-hour tutorials which begin the week of May 13th and run 8 times throughout the semester. Each tutorial, students will work in small groups to complete a graded problem set. In some weeks, there will be a short quiz in the last 10 minutes of the

tutorial; on these weeks, the average of the problem set grade and quiz grade will form that week's tutorial grade. Each week's tutorial counts for 1% of your final grade with the lowest three grades being dropped. See the schedule below for specific tutorial dates, their corresponding textbook content, and whether that tutorial includes a quiz.

Tutorial	Week of	Textbook content	Quiz
1	May 13 th	Chapter 9	Yes
2	May 20 th	Chapter 10	No
3	May 27 th	Chapter 12	Yes
4	June 24 th	Chapter 13 (13.1-13.5)	Yes
5	July 1 st	Chapter 13 (13.6) & Chapter 14	Yes
6	July 8 th	Chapter 15	No
7	July 22 nd	Chapter 16	Yes
8	July 29 th	Chapter 17	No

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 on Wednesday May 15th; even numbered practicals (e.g. PRA002, PRA004) will start on Wednesday May 22nd.

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 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: 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 (May 2019); 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 during class time. The first will be Tuesday June 4th and will cover content from Chapters 9, 10 and 12; the second will be Thursday July

18th and will cover content from Chapters 13, 14 and 15, 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.

Method of Evaluation:

Graded Work	Value
Term test 1	15%
Term test 2	20%
Laboratory	20%
Tutorials	5%
Final exam*	40%*
TOTAL	100%

**Divided into 35% 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%.

Policy on Missed 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 an acute medical condition, an official UTSC medical note must be downloaded from the 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 test, 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 scheduling 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 8 tutorials, each worth 1%; the lowest three scores are dropped leaving a 5% 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.

Course Schedule (Tentative):

Lecture Date	Lecture Content*
Tues. May 7 th	Introduction to the course; Chapter 9
Thurs. May 9 th	Chapter 9; overview of Experiment 1
Tues. May 14 th	Chapter 10
Thurs. May 16 th	Chapter 10 continued...
Tues. May 21 st	Chapter 10 continued...
Thurs. May 23 rd	Chapter 12; overview of Experiment 2
Tues. May 28 th	Chapter 12 continued...
Thurs. May 30 th	Chapter 13
Tues. June 4 th	*** Term Test 1 ***
Thurs. June 6 th	No lecture
Tues. June 11 th	Chapter 13; overview of Experiment 3
Thurs. June 13 th	Chapter 13 continued...
Reading week (no lectures)	
Tues. June 25 th	Chapter 14
Thurs. June 27 th	Chapter 14 continued...
Tues. July 2 nd	Chapter 15
Thurs. July 4 th	Chapter 15 continued...
Tues. July 9 th	Chapter 15 continued...
Thurs. July 11 th	Chapter 16; overview of Experiment 5
Tues. July 16 th	Chapter 16
Thurs. July 18 th	*** Term Test 2 ***
Tues. July 23 rd	Chapter 17
Thurs. July 25 th	Chapter 17 continued...
Tues. July 30 th	Chapter 17 continued...
Thurs. Aug. 1 st	Chapters 18/20

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

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.