

Organic Synthesis(CHM C42H3)
Winter 2018
University of Toronto at Scarborough

Dear Students:

Welcome to Organic Synthesis (CHMC42H3)! You will find this course to be engaging, meaningful, memorable and applicable in real life! CHMC42 offers a systematic training on how to make organic molecules. The laboratory experiments are designed to complement the topics covered in lectures. Students enrolled in CHMC42 must have successfully completed CHMB41 and CHMB42. Please carefully read through this document before we get started. It contains important information which will help you get started.

(416) 2877473, EV 544

Office Hours: Mondays 12:10 pm-2:30 pm, EV 544 and by appointments

Lab Coordinator: Dr. Lana Mikhaylichenko

Office Hours: Mondays 1-2 pm and Wednesdays 10-11 am EV 556 and during labs if not busy

Lecture Schedule and Locations

Mondays 9:00 am- 12:00 pm in SW 128

Laboratory Schedule and Locations: Tuesday 1:05:00 pm, EV 112/114; Wed 1:05:00 pm, EV 112, 113. Labs will be running every week. Please check the Blackboard on the first week of January for your assigned lab location. Labs will begin on the week of Jan 2018.

Textbook

Advanced Organic Chemistry by David E. Lewis

Publication Date: September 2015

Suggested References

- 1) Organic Chemistry by Paula Yurkanis Bruice, Pearson Education, Inc.
- 2) Advanced Organic Chemistry Part B: Reactions and Synthesis 5th Ed., by Francis A. Carey and Richard J. Sundberg, Springer. The textbook is available online with access ONLY on campus <http://www.springerlink.com/content/978-0-387-68350-8/contents/>
- 3) The Logic of Chemical Synthesis, by E. J. Corey and Ming Cheng, Wiley
Organic Synthesis: The Disconnection Approach 2nd Edition, by Stuart Warren and Paul Wyatt, Wiley.

4) Organic Chemistry 5th Edition, by Michael B. Smith and Jerry March, Wiley.

These recommended (not compulsory) readings are available in the UTSC Bookstore online or the Reserves section of the UTSC Library.

Website:

CHMC42 will be using Blackboard to release and archive course related information including: lecture slides, class announcements, contact information and occasionally some useful outside resources. In

CHMC2H3

procedure ahead of time and made sure that you understand each step, it will likely be difficult for you to finish your work on time. As a suggestion, I recommend that you prepare a printout of the lab procedure before coming to each lab.

Lab Schedule: Please read the introductory part of your lab manual and also check a Laboratory Schedule part of the Blackboard course page before coming to lab

Lab Manual:

Lab Manual for this course can be purchased from Chemistry Club. The time and location will be posted on Blackboard. The introductory part of the Lab Manual has a tentative lab schedule and all the information you need to know about these labs. Please read it before coming to the actual labs.

Lab Coats and Safety Glasses

Lab coats and safety glasses must be worn at all times in the lab. Contact lenses may not be worn in the laboratory. You must bring goggles, a lab coat and a notebook to the labs by yourself. All of these can be purchased from the UTSC Bookstore or the Environmental and Physical Sciences Student Association (EPSA). The smallest size is R I O D E M R X U Q D O Z R X O H G Z E L H O D E S R U X R V I you with graph paper if needed. The notebook cannot have pages that are easily removed. Please make sure your name is in the book as well on your calculator. You will not be allowed to work in the laboratory unless you are wearing approved eye protection and a lab coat.

Absences from the laboratory:

If you need to miss a laboratory period for any valid reason, you must immediately report both your TA and lab coordinator within 48 hours after the lab period. If the reason for your absence is medical then you must provide documentation for this. Normally this would be in the form of an official UTSC medical note completed by your doctor (http://www.utsc.utoronto.ca/~registrar/resources/pdf_general/UTSCmedicalcertificate.pdf). Documentation should be provided as soon as possible so that a makeup lab can be scheduled provided that room can be found in another lab section. If no reason for your absence is made, a mark of zero will be given for that lab.

Lab quiz:

It will be a short 10 min quiz at the beginning of each lab. Please read a Laboratory Schedule section on a Blackboard for more information about each lab.

Lab Website:

All your lab grades for this course and any lab announcements will be on the Blackboard course page.

Oral Presentations

The assignment for the oral presentations will be given to you during lab period. The location and time for your presentations will be posted later on a Blackboard course page. Please check the Blackboard for the detailed explanation about the presentation. Do not worry, historically students do not like the idea about oral presentation at the beginning but really enjoy it at the end.

You will submit your literature assignment through Turnitin program. This is a U of T statement about this program:

"Normally, students will be required to submit their course essays to Turnitin.com for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the Turnitin.com reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of the Turnitin.com service are described on the Turnitin.com web site". We will post the detailed explanation of how to use this program later on the course Blackboard page.

Method of Evaluation:

The following grading system will be used to calculate your final grade:

Graded Work	Value
Laboratory*	30%
Term Test (NO MAKEUP)**	25%
Oral Presentation	5%

Academic Integrity:

Academic integrity is one of the cornerstones of the University of Toronto. It is critically important