

**ORGANIC CHEMISTRY I  
CHMB41H3  
LECTURE OUTLINE**

**This document contains important course information and should be kept in a safe place where you can refer to it throughout the semester.**

**Welcome to CHMB41HS: Organic Chemistry I:**

Welcome to CHMB41! Organic chemistry is an exciting subject with applications that are found all around us. This course is going to require some hard work, but I hope to make it worth your while by exposing you to some of the exciting aspects of this diverse field and relating the subject to your everyday lives. Please take a few minutes to read through this

**Blackboard Collaborate (Online Office Hours):** Tuesdays 9-10pm  
Starting Tuesday Jan 10<sup>th</sup>

**Course Website:** CHMB41 maintains a Blackboard web space which archives a variety of course-related information including: class announcements, lecture slides, contact information and links to some useful outside resources. In addition, class emails will regularly be sent via Blackboard. ***In order for you to receive these emails, you must have a valid “utoronto.ca” email account registered with ROSI/ACORN.***

**To login,** go to: <https://portal.utoronto.ca/webapps/portal/frameset.jsp> -in to  
click on the CHMB41  
link.

***Discussion Board:***

An online discussion board will be maintained through Blackboard. This online space will provide you with a place to post and answer questions related to the course material. You may post anonymously, or as yourself. The forums will be monitored by me (and/or a teaching assistant) to ensure that all questions are answered accurately. The times during which the posts will be checked will be announced in class during the semester. In addition, frequently asked questions (with their answers) may also be posted here so be sure to check in periodically.

***Please note: Posts which contain answers/solutions to weekly homework assignments are not permitted and will be removed promptly.***

**Learning Outcomes for Course:** By the

**Textbook: Bruice, Organic Chemistry Plus MasteringChemistry with eText -- Access Card Package, 8/e** <<http://catalogue.pearsoned.ca/educator/product/Organic-Chemistry-Plus-MasteringChemistry-with-eText-Access-Card-Package/9780134048147.page>>  
(same text as used in CHMB42H, CHMC47H, and sometimes CHMC41H & CHMC42H, to make it cost effective)

There are two options available for purchase at the bookstore:

1. Loose-Leaf version of the text, packaged with Solutions Manual and MasteringChemistry Access code - ISBN: 0134620437

or

2. Standalone MasteringChemistry Student Access Code - available for purchase through your Campus Ebookstore or via publisher website

Please note that MasteringChemistry will be a required component for this course

**Chapters:** 1-12 (excluding 11)

**Recommended:** Study Guide, Solutions Manual and Molecular Models

You are *strongly encouraged* to purchase a molecular model kit from the UTSC bookstore or other bookstores such as Indigo or Chapters. These will become an invaluable tool as the course progresses since several key topics require visualization and manipulations of compounds in three-dimensions.

**Tophat Pilot Project:** In order to evaluate the new edition of Bruice and provide the best value for money in terms of content and material provided, you are asked to participate in a pilot project, comparing and evaluating 5 chapters of the online Tophat text, provided for free by the publisher through <https://app.tophat.com/e/846942>, with the same content covered in the Bruice text.

You will receive an email invitation from the publisher to register in the course and you are asked to read the chapters provided and answer the in-chapter and end-of-chapter questions. At the end of the semester, you will be asked to fill out a survey comparing this text with





determine the best days and times for most students, and then the FSGs will start (probably the second or third week of class). Those days, times, and session locations will be announced in class, posted on our course page, and at :<<http://ctl.utsc.utoronto.ca/home/fsg/>>. Attend as many sessions as you want!

b) *Lab Skills Seminar*

An optional seminar will be held each week during which the upcoming lab will be discussed. New techniques will be demonstrated, including a review of how to set up the relevant glassware or any other apparatus to be used. Background theory for the lab will be discussed, including a review of any relevant reaction mechanisms. The time(s) and location(s) for these seminars will be announced in class and posted on Blackboard.

c) *Chem Aid Center*

Volunteers will be available in the ChemAid Center to tutor and help you with any questions on course material. These are students who have taken several organic chemistry courses have excelled in these courses. The days and times of their availability will be announced in class and on Blackboard once the schedules are finalized.

**Laboratory Schedule:**

**Odd numbered** labs Sections **PRA0001, PRA0003** etc. (**week 1 students**) begin labs week of **January 9<sup>th</sup>, 2016**. **Even numbered** labs Sections **PRA0002, PRA0004** etc. (**week 2 students**) begin labs week of **January 16<sup>th</sup>, 2016**.

**The laboratory component of CHMB41H is compulsory. In order to pass the CHMB41H course, students must pass the lab component of the course.**

**Changes to lab sections:** Any changes to your lab section can be made through ROSI **up until Fri Jan 6<sup>th</sup> at 12pm**. After this date, the labs will be closed and no more changes can be made. IF you cannot make a lab section change due to it being full, you have to find another student willing to switch days with you, as the maximum capacity in each lab section is 16 students. Lab sections can be changed after the deadline only by contacting the lab coordinator and providing proper documentation for the change (i.e. lab/course conflicts shown on timetable, etc)

**Medical Notes:**

If you are absent: report it to your TA by phone or e-mail. Hand in your medical note in your next class or ASAP.

The medical note should:

- indicate clearly the degree of incapacitation on academic functioning; PLEASE NOTE THAT **ONLY THE FIRST 3 DEGREES (SEVERE, SERIOUS AND MODERATE) WILL BE ACCEPTED FOR RESCHEDULING OF MAKEUP LABS; MILD AND NEGLIGIBLE DEGREES WILL NOT BE ACCEPTABLE FOR LAB RESCHEDULING**

- if possible, state the illness and
- it MUST have the practition

Documentation should be provided within 48 hours 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. Missed labs can only be made up within 1 week of the missed lab and if there are further conflicts or a student misses a makeup lab, no more makeup opportunities will be provided and there will be a mark of zero recorded for that lab.***

### **Laboratory Rules**

Please arrive *on time* for your labs and come *prepared*. The experiments are designed such that a *well-prepared* read over the 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.



**Methods of Evaluation:** The grading scheme for the course is shown in the table below:

Term Test\*

in writing, within this time frame, will have the percentage of the missed work added to the final exam percentage, AT THE INSTRUCTOR'S DISCRETION.

*Please note that if you miss the Final Exam, you must petition the Registrar's Office to write a make-up exam in the next formal exam period.* Check the UTSC Calendar for instructions and deadlines.

**Marked Term Tests** - an announcement will be made, in lecture and/or on the intranet and Blackboard, when tests are marked. You have one week to check your test with Shadi Dalili, during any office hours, or other announced times. Re-marking claims will only be considered for one week after the announcement has been made. Claims must be accompanied by a written statement, outlining the reasons (referenced, if necessary) to support your claim for extra marks.

**Lecture Schedule:** This is a ROUGH GUIDE only and may change throughout the term.

Apr 5 <sup>th</sup> -Apr 22 <sup>nd</sup>	Fall Term Exam period	<b>Three hour final exam</b> (Entire course work)
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**SUGGESTED PROBLEMS:**

A separate document listing the assigned problems will be posted on Blackboard. The assigned problems are the minimum number suggested for you to try and you should be attempting all of the problems within and at the end of each chapter. *OMIT any questions pertaining to material that is not covered in lectures as you will not be responsible for it unless told otherwise.* You should always attempt as many problems as possible, as Organic Chemistry is mainly learned by "doing". The best way to do this is to keep up with the lecture material as much as possible, getting help with any problems during office hours, attending FSGs and/or utilizing the services of the ChemAid Center. It is probably best to try these before you try the online homework problems. The online homework assignments should be attempted individually, which will benefit you immensely in preparation for the midterm and the final exam in the course.

