# Introductory Chemistry I (CHMA10H) Fall 2011 University of Toronto at Scarborough

Welcome to CHMA10! This course will provide introduction to the study of chemical transformations of matter from both macroscopic and microscopic perspective. To be enrolled in this course you must have previously completed srelevel chemistry in high school (SCH4U or its equivalent) or have permission of the course instructor.

Please take a few minutes to read through this deputit contains important information which will help you to succeed in this course.

## Staff:

## Instructors:

Professor Heinz-Bernhard Kraatz: SW632, Email: bernie.kraatz@utoronto.ca – Office Hours, September <sup>to</sup> October 1<sup>to</sup>, Mon and Wed 4:00-5:30 pm in SW632 Professor Xiao-an Zhang SW511, Email: xazhang@utsc.utoronto.ca – Office Hours, October 2<sup>to</sup> December <sup>to</sup> Mon and Wed 4:00-5:30 pm in SW511

# Lab Coordinator:

Dr. Scott Ballantyne: Room Number SW155C, Email: sballant@utsc.utoronto.ca - Office Hours: Tues and Thurs 10:30-12:00 pm

## **Email Policy:**

Please use a valid "utoronto.ca" or ts c.utoronto.ca" account for all CHMA10 correspondence. Emails received from other ac soart frequently filtered out as spam and may not be received. When composing your erptailase use professional language. Be sure to include the course code as part of the subject line and sign the email with your first and last name, as well as your student ID. Your erwail be answered as soon as possible (likely within 36 hours, unless it is a weekend or holiday).

A note on email content Please double check this syllabus the before emailing us with a question. Questions on the lab material should itereted to the lab coordinator or your TA.

## Text:

Chemistry: A Molecular Approach, 2<sup>nd</sup> Ed., by Nivaldo Tro. There are three different purchasing options from the UTSC bookstore: OPTION 1 Hardcopy of the text Mastering chemistry access code Students selected solutions manual

**OPTION 2** 

E-book version of the text Mastering chemistry access code Students selected solutions manual

OPTION 3 (See the bookstore cash for this option; it is not stocked on the bookstore shelves) E-book version of the text Mastering chemistry access code

#### Online Homework:

There will be weekly homework assignmented be completed using the online homework system Mastering Chemistry. If you purchashe bundled textbook package at the UTSC bookstore, your Mastering Chemistry registration code will be included *acquire a copy* of the text from another source, you will need to purchase a Mastering Chemistry code separately from the UTSC Bookstore. Once activated, each Mastering Chemistry Code is valid for 1 year.

Instructions for setting up your account canfordered in the package. Once registered, you will need to enroll in the Mastering Chemistry pagethos course. To do this, enter the Course ID: CHMA102011

Assignments will be released every Wednesday5:00 pm and will be due the following Wednesday at 9:00 abrate assignments will not be gradeo the assignments, together with the tutorial quizzes, will be equally weighted **aog**ether count for 5% of your final grade.

#### Website:

CHMA10 maintains the Blackboard web space what has chives a variety of course-related information. There are two instructors for the urse and at the beginning of each of their sections, they will inform you where you will find: contact information, class announcements, lecture slides, handouts, assigned readings, **stephend-of-chapter problems**, and links to some useful outside resources.

\*Accessing WebOption Lecture Videos\* WebOption lecture videos can be accessed at the Blackboard via the "Lecturecasts" link.

## Term Test – 25% of final grade:

There will be a 100-minute term test around the dhe to end of October which will count as 25% of your final grade. This test will be writte utside of class time. The exact date, time and location will be announced as soon as this information is made available from the registrar.

With a validated absence, the value of the **noistee**t will be added to your final exam. Please note that on page 328 of the 2011/2012 UTS and ar it states: "You cannot petition to withdraw from a course on the grounds that no works returned to you before the last day to withdraw without academic penalty if this isethesult of your having been given an extension to complete your work for reasons relating to you and not the rest of your class."

## Final Examination – 45% of final grade:

There will be a 3-hourcumulative exam written during the end of semester exam period. The exact date, time and location will be announced as soon as they are available.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 periodCheck the UTSC Calendar for instructions and deadlines.

#### Labs:

The laboratory component of CHMA10 is compulsdryorder to pass the course, you must also pass the lab component.

#### Lab Schedule:

Laboratory periods are three hours in længend run every other week. Odd numbered practical's (Week 1 students) gine the week of September <sup>th</sup>.9Even numbered practical's (Week 2 students) begin the week of Septemb<sup>th</sup>. 26

#### Lab Manual and Notebook:

A lab manual must be purchased from the UTBOOKstore before your first lab. You may not use a lab manual from a previous semesterextperiments are different! A lab notebook will be given to you during your first lab period.

## Lab Coats and Safety Glasses

Lab coats and safety glasses must be waternall times in the laboratory. If you wear prescription eye glasses, you must purchaseiraop asafety goggles that fit over your eye glasses. These items can all be purchased from the UTSC Bookstore or the Environmental and Physical Sciences Student Association (\$150,500) in the Physics Aid Centre, room SW505.

http://www.utsc.utoronto.ca/~registrar/rescess/pdf\_general/UTSCmedicalcertificate)pdf If no reason for your absence is made before your next scheduled lab period, a mark of zero will be given for that lab.

Please note that students will not be allowed toe-schedule or miss labs on the days of any first year term test or exam. This is a Chemistry Discipline Policy.

#### Tutorials:

Tutorials are scheduled in the same time slowcaus laboratory but in the alternate week. Your tutorial section is linked to your lab section dates the same section number as your lab section (i.e. PRA0001 students are assigned to TUT0001).

Attendance at the tutorials is compulsory **ame** tutorial quizzes will count towards your final grade (see grading scheme below).

## Additional Resources:

The Chemistry Aid Centre is a student-rudit, op-in help centre where students from introductory general chemistry and organic chemistry courses can go for help with lecture and lab materials. The centre is open from 10-4 pm Monday through Thursday and is located in SW221 (one floor above the chemistry teachings). The centre is staffed with volunteer tutors, all of whom have done well in the coupseviously and have been trained on how to effectively help others. In addition, a Flatated Study Group (FSG) program organized by the Centre for Teaching and Learning is also available on support this course. The FSG program is designed to enhance the student experiered ce attrition, and help students succeed in historically difficult courses. Detailed formation about FSG is available online (<u>http://ctl.utsc.utoronto.ca/home/f</u>lsgPlease note that tutors in CAC and FSG will NOT give out answers to any graded homework or lab assignments.

## Calculators:

Only non-programmable, non-communicating caltaria are allowed in tests and exams for this course (both lecture and lab). The follog/ispecific models available at UTSC book store are recommended for both CHMA10 and CHMA11:

Texas Instruments	: TI-30X IIS (SKU# 10048306)			
Sharp:	EL-520WB (SKU# 10048016), EL-531WB	(SKU		
10047965), EL-546WB (SKU# 10047880)				
Casio:	FX-260 (SKU# 10009994)			

Invigilators have the authority to check calators during the tests and exams. Students who have illegal calculators confiscated duringtesst/exam will be supplied with an allowed calculator but an immediate penalty of 10% Il whe imposed for that test/exam. Students without a calculator will also be allowed to bourroan allowed model, but the cost 10% off their mark on that test/exam.

## Method of Evaluation:

Below is the grading scheme that will be used in this course.

Graded Work	%
Online Homework/Tutorial Quiz	5%

Term Test (NO MAKE-UP)*	25%
Final Exam	45%
Laboratory	25%

\*If you miss a test, its value will be added to that of the final.

Note: To pass the course, you must pass the laboratory and either the term test or the final exam (and receive a final grade of 50+, of course!)

## Online Grades:

Individual grades will be posted on the Blackboasd they become available. Please check these periodically to make sure that the posted grades match your own records. Any discrepancy should be reported immediately the instructor or the lab coordinator, as appropriate.

## Lecture Topics:

Below is a brief list of topics that will beovered in this course, along with the corresponding chapters. A more detailed list, with the **asiated** textbook readings and assigned end-of-chapter problems, can be found on Blackboard under the "readings/problems" tab.

## Professor Kraatz

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To include false, misleading or concocted citations in their work.