Overview

Welcome to CSC165 – Mathematical Expression and Reasoning for Computer Science! This sheet summarizes information for CSC 165 H1Y for the Summer 2014 term. Please consult the course website for all of the information, rules and policies related to this course. This course introduces mathematical problem-solving and precise expression of mathematical ideas in the context of computer science. The goals of the course are to introduce students to rigorous mathematical proofs, to improve students' problem-solving skills, and to prepare students for future coursework in algorithms, the theory of computation, databases, etc.

Website & Forum

  Website: `http://www.cs.toronto.edu/~guerzhoy/165/`

   Forum: `https://csc.cdf.toronto.edu/csc165h1y`

The website will always contain the most up-to-date information regarding the course. *You are responsible for reading all announcements on the course forum*; please check it at least weekly.

Textbooks

There is no required textbook. The course will follow the detailed course notes that are published on the course website. The following textbooks are recommended as additional references, but are not required for the course.

Eric Gossett, *Discrete Mathematics with Proof,* Second edition, John Wiley & Sons, Inc., 2009. ISBN: 978-0-470-45793-1   A soft-cover custom version will be available at the bookstore.

Daniel J. Velleman, *How to Prove It: A Structured Approach,* Second edition, Cambridge University Press, 2006. ISBN: 978-0-521-67599-4

Instructor Contact

Section	Instructor	Email	Phone	Office	Office Hours
L5101	Michael Guerzhoy	`guerzhoy@cs.toronto.edu`	NA	TBA	TBA

Lectures and problem sessions take place on T4-6 in BA1170 and on W6-9 in BA1190.

Grading

The grading scheme for the course is as follows. Final exam: 45%, midterm: 15%, assignments: 40%. **If your exam mark is smaller than 40%, you will be be assigned a final mark no higher than 45%.** The **tentative** due dates for the assignment and midterm date are below, but are subject to revision.

Work	Worth	Date	Work	Worth	Date
Assignment 1	3%	May 23	Midterm	15%	Jul. 9
Assignment 2	5%	Jun. 6	Assignment 5	8%	Jul. 25
Assignment 3	8%	Jun. 20	Assignment 6	8%	Aug. 8
Assignment 4	8%	Jul. 4	Final Exam	45%	*TBA*

- All assignments are due by *2:00pm* on their due date.
- Late homework will be penalized by 2% for every *hour* of lateness (rounded up), except for documented unusual circumstances—see the `Policy on special consideration` on the website.
- Some of the assignments can be completed in groups of 1–2 students.

Email policy

Please use email for personal matters only; post all other questions/comments on the course forum. *Please use a descriptive subject line* for all your electronic correspondence—for email, *always include the course number*. To help prevent your messages being incorrectly tagged as spam, please email from your official UofT email address (either your CDF email or UTMail+). *Silent policy:* We will not answer queries that concern homework assignments that were received within 24 hours of the deadline.

Collaboration

The work you hand in (assignments, the midterm and the exam) must not contain anyone else's work or ideas but your own *without proper attribution.* In particular, the actual writeup of your assignments must be done in isolation from other groups and without copying from shared notes or other sources. This ensures that your solution is truly your own, and that your grade reflects your own understanding of the course material. *To be safe, do not let others look at your solutions, even in draft form and even after the due date.* Please read the `Guidelines for Avoiding Plagiarism` on the course website.

Sun.	Monday	Tuesday	Wednesday	Thursday	Friday	Sat.
11	**May 12**	**13**	**14**	**15**	**16**	17
18	**19** *Victoria Day*	**20**	**21**	**22**	**23** **Assignment 1**	24
25	**26**	**27**	**28**	**29**	**30**	31
1	**Jun. 2**	**3**	**4**	**5**	**6** **Assignment 2**	7
8	**9**	**10**	**11**	**12**	**13**	14
15	**16**	**17**	**18**	**19**	**20** **Assignment 3**	21
22	**23**	**24** *No class*	**25** *No class*	**26**	**27**	28
29	**30**	**1** *Canada Day*	**2**	**3**	**4** **Assignment 4**	5
6	**Jul. 7**	**8**	**9** **Midterm**	**10**	**11**	12
13	**14**	**15**	**16**	**17**	**18**	19
20 Drop date	**21**	**22**	**23**	**24**	**25** **Assignment 5**	26
27	**28**	**29**	**30**	**31**	**1**	2
3	**Aug. 4** *Civic Holiday*	**5**	**6**	**7**	**8** **Assignment 6**	9
10	**11**	**12** *Last day of class*	**13**	**14**	**15**	16