

# CSC165 Winter 2007

## Course information sheet

Danny Heap

Here's a summary of the administrative details of CSC165, "Mathematical expression and reasoning for computer science," for Winter 2007. Please check the course web page (below) often.

COURSE WEB PAGE: See both the course web page, <http://www.cdf.toronto.edu/~heap/165/W07/> and the course wiki, <https://www.cgi.cdf.toronto.edu/~cs165hw/cgi-bin/165W07/wiki.pl>, for ongoing course information. You are responsible for announcements posted there, and you should check them weekly.

LECTURES: Our meetings are:

- Section L0101, Mondays and Wednesdays, 11 am – noon, RW 110.
- Section L5101, Mondays 7 pm – 9 pm, BA1190.

I can be reached in person at BA3222, during lectures in BA1190 or RW110, asynchronously at [heap@cs.toronto.edu](mailto:heap@cs.toronto.edu), and occasionally at 416-978-5899.

I will also answer some questions, and (occasionally) provide hints on the wiki.

TUTORIALS AND PROBLEM-SOLVING EXERCISES: There will be a problem-solving exercise in the lecture theatre during the first week of classes. Following that, we will alternate small-group tutorials (locations to be announced) with full-group problem-solving exercises. Three tutorials will be replaced by term tests (see below). Your participation mark is based on your participation in lecture, problem-solving sessions, tutorials, and on the wiki.

TEXTBOOK AND COMPUTING: There is no required text for this course. Instead, I offer you our course notes (see the wiki) covering the topics we discuss. Each student has an account at the CDF facility (questions? [admin@cdf.toronto.edu](mailto:admin@cdf.toronto.edu)) to facilitate assignment questions that might involve some java programming, and to allow electronic submission of assignments.

SYLLABUS: We will discuss the following topics:

- logic
- proof techniques
- complexity
- floating-point number representation

MARKING SCHEME: There are eight pieces of term work for this course: four assignments, three tests, and course participation. These eight pieces of work will be ranked from best to worst (breaking ties by ranking the later piece of work lower). Your best piece of work receives a weight of 11%, your next best receives a weight of 10%, your next best receives a weight of 9%, your next two best receive weights of 8% each, your next best receives a weight of 7%, your next best receives a weight of 6%, and your next best receives a weight of 5%. This generates a term total of 64%, with an average weight of 8% for each piece of term work. The remaining 36% of your grade is for the final exam. In addition to this scheme, you must earn a minimum of 40% of the marks allotted to the final exam to pass this course (this is sometimes called an auto-fail provision).

ITEM	DUE	WEIGHT
Assignment #1	Tuesday January 23rd, 11:59 pm	8%
Term test #1	Monday January 29th	8%
Assignment #2	Tuesday February 13th, 11:59 pm	8%
Term test #2	Monday February 26th	8%
Assignment #3	Tuesday March 13th, 11:59 pm	8%
Term test #3	Monday March 19th	8%
Assignment #4	Tuesday April 3rd, 11:59 pm	8%
Participation	January 8th – April 13th	8%
Final exam	Three hours during exam period	36%

LATENESS, SICKNESS, NATURAL DISASTERS: I cannot accept late work, since I'll be posting solutions promptly.

If you have special circumstances that force you to miss a deadline, please contact me immediately (usually before the work is due) and fill out either the "Request for special consideration," or the standard medical excuse form, (both forms are available on the web page) and provide all supporting documentation. I will do my best to ensure that there is no penalty for a deadline missed for a valid reason.

PLAGIARISM: Passing off somebody else's work as your own for credit is a serious academic offense, can have serious academic consequences, and is beneath your dignity. Be sure to give full and generous credit to any person or book (except the course notes, instructor, and teaching assistants) you consult in solving your assignments. If you take notes when you consult any source, then you must indicate that you are quoting that source. Type up your assignments on your own, leaving at least an hour of mind-altering activity (for example, TV, shopping, or video games) after consulting others and before beginning your assignment.