CSC165 Summer 2007
Course information sheet

Danny Heap

Here's a summary of the administrative details of CSC165, "Mathematical expression and reasoning for computer science," for Summer 2007. In this course we learn about communicating clearly on mathematical topics. Please check the course web page (below) often.

COURSE WEB PAGE: See the course web page, `http://www.cdf.toronto.edu/~heap/165/S07/`. From there you will be able to log in to the course wiki, which is where most of our course business will be conducted. You should check the course announcements (see the wiki) weekly.

LECTURES: Our meetings are Wednesdays 6–9 pm, in BA1210. Usually, the first two hours are lecture with examples, and during the last hour I'll present some problem-solving examples, an exercise based on course materials, or take up solutions to assignments or tests. I can be reached in person at BA4270, during lectures in BA1210, asynchronously at `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 nine two-hour tutorial sessions (which you sign up for on ROSI) during the course. During tutorials you will work on exercises to re-inforce lecture material, and write short quizzes. Exercises and quizzes count toward your term mark.

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`) 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: three assignments, three tests, an on-line journal, and tutorial exercises/quizzes. 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	Thursday, June 7th, 11:59 pm	5–11%
Term test #1	Wednesday, June 13th, 2:10 pm	5–11%
Assignment #2	Thursday July 5th, 11:59 pm	5–11%
Term test #2	Wednesday, July 11th, 2:10 pm	5–11%
Assignment #3	Thursday August 2nd, 11:59 pm	5–11%
Term test #3	Wednesday, August 8th, 2:10 pm	5–11%
On-line journal	May 16th – August 9th	5–11%
Tutorial exercises/quizzes	May 16th – August 10th	5–11%
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, book, or electronic source (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. Don't show your work (on paper or electronically) to other students, and don't look at other students' work.