CSC C73: ALGORITHM DESIGN AND ANALYSIS

Course Information

Instructor: Vassos Hadzilacos

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TA: Eric Corlett

Meeting times:

Lectures: Tue 2 – 5 (BV 355)
Tutorials: Fri 10–11 (BV 516) and Fri 11–12 (AA 206)

Course web page: `http://www.cs.toronto.edu/~vassos/teaching/c73`

Prerequisites: CSC B63.

Course goals: To introduce the main algorithmic paradigms (greedy, divide-and-conquer, dynamic programming, and linear programming) through concrete examples. Emphasis on abstract thinking and problem-solving, not on programming.

Textbook: Kleinberg and Tardos, *Algorithm Design*, Addison Wesley 2006; supplemented with Dasgupta, Papadimitriou, and Vazirani, *Algorithms*, McGraw Hill 2006.

Evaluation: There will be four equally-weighted homework assignments worth 40% of the course mark, a midterm exam worth 20% of the course mark, and a final exam worth 40% of the course mark. To pass the course you must get a grade of 35% or better on your final exam.

Homework marking: For each homework assignment we may mark only a selected subset of the questions (but solutions to all problems will be made available). In that event, the homework will be marked out of the total weight of the selected questions.

Late homework policy: No late homework will be accepted. If you miss a homework deadline because of a medical or personal exigency, you must fill out the Special Consideration Form (available on the course web page). In case of a medical exigency, you must also submit the U of T Student Medical Certificate, completed and signed by your physician (also available on the course web page). If we judge your reason for missing the deadline to be valid, we will use the average mark you achieved in other homeworks as your mark for the missed homework.

Homework collaboration policy: In each homework you may collaborate with at most one other student who is currently taking CSCC73. If you collaborate with another student on a homework, you and your partner must submit only one copy of your solution, with both of your names on the cover. The solution will be graded in the usual way and both partners will receive the same mark. Collaboration involving more than two students is not allowed. For help with your homework you may consult only the instructor, TAs, your homework partner (if you have one), your textbook and your class notes. You may not consult any other source.

Remarking policy: If your request concerns a simple addition error, see the instructor. To make any other kind of remarking request, you must fill the Remark Request Form (available on the course web page), attach it to your homework assignment or test, and give it to the instructor no later than one week from the date the marked assignment or test was made available to the class. Remarking requests made after this deadline will not be accepted.

Missed midterm test policy: If you miss the midterm test due to a medical or other serious exigency, get in touch with your instructor immediately and fill out the Special Consideration Form (available on the course web page). In case of a medical exigency, you must also submit the U of T Student Medical Certificate, completed and signed by your physician (also available on the course web page). There will be no make-up test, but if we consider your reason for missing the test to be valid, we will use your final examination mark to compute your mark for the missed midterm test.