CSC373F Algorithm Design and Analysis Instructor: A. Borodin
Text: "Algorithm Design " by Jon Kleinberg and Eva Tardos

CSC373 is a relatively new 3rd year undergraduate course which has evolved from our (now phased out) CSC364. This is a standard and required course in most CS programs throughout the world. In particular, this course is an expanded version of the algorithm design and analysis part of CSC364. Following the text, we will be emphasizing various algorithmic paradigms such as greedy algorithms, divide and conquer, dynamic programming, network flows, linear programming and rounding, randomized algorithms, and local search. These techniques will be applied to a wide variety of (well motivated) computational problems.

The grading scheme will be based on 4 problem sets (5% each), 3 term tests (15%, 12.5%, 12.5%), and a final exam (40%). See the course web page for the dates of all problems sets and tests. As soon as an assignment is due and collected, we will discuss the solutions. Therefore, no late asssignments will be accepted. Depending on the course enrollment, and as an experiment for the first assignment, we may allow students to work in pairs and then submit one assignment.

Email Policy: While I do read email regularly, I do NOT promise to reply to all emails. In particular, I will not answer questions which have already been raised and answered in class. Some questions require a technical answer and I will often answer such questions in class so that everyone can benefit.

Office hours (SF 2303B): Initially Tuesday 3-4, Thursday 10-11 but may be rearranged as the term proceeds. Moreover, students are always welcome to make appointments and/or drop by my office to see if I am available. In general, I much prefer speaking to people in person rather than via email!

Students are encouraged to regularly (i.e. daily) check the course web page www.cs.toronto.edu/~bor/373f05 for course annoucements, handouts, etc. It is also recommended that you occasionally read the departmental undergrad announcements web site http://www.cs.toronto.edu/uga for information on job and scholarship opportunities, academic and social events, and reminders of administrative deadlines.