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

CSC373 is a new 3rd year undergraduate course which has evolved from our (now phased out) CSC364. This is a standard and required course in most CSC 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, 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 3 problem sets (5% each), each of which will be immediately followed by a term test (15% each), and a final exam (40%). As soon as an assignment is due (on a Wednesaday) and collected, we will discuss the solutions in class and a term test will follow (on Thursday). Therefore, no late asssignments will be accepted. As an experiment, for the first assignment you may chose to work in pairs and then submit one assignment.

Email Policy: I will try to read emails regularly but 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, Thursday 2-3 but may be rearranged as term proceeds. Moreover, students are always welcome to make appointments and/or drop by it see if I am available.