

This sheet summarizes information for the course CSC 373H 1F (“Algorithm Design and Analysis”) during the Fall session of 2006 on the St. George campus at the University of Toronto. By the end of the first week of classes, you should have read and become familiar with the contents of this information sheet.

Course Website:

<http://www.cs.utoronto.ca/~mbraverm/CSC373/>

The course website will be available at the start of the second week of classes and it will always contain the most up-to-date information possible regarding the course. *You are responsible for all announcements posted on the course web site*, so please check the **Announcements** page frequently (at least once a week). You are also responsible for all announcements made in lectures and tutorials: make a friend in class and get their notes if you miss class.

Instructor and Lectures Info:

Instructor	Office	Phone	Email	Office Hours
Mark Braverman	SF4306	416-978-4236	mbraverm@cdf.utoronto.ca	T.B.A.

Lecture: *Section:* L5101 *Time:* T 7-9 *Place:* BA1130

Office Hours: Instructor office hours will be decided during the first week of classes and posted on the course website. TA office hours will be held occasionally during the term, but not necessarily on a regular schedule. They will be announced ahead of time on the course website.

Tutorials: Tutorials begin the **second** week of classes. The tutorials will run on Tuesdays 6-7pm.

You will be assigned a specific tutorial section, based on the first letter of your last (family) name. The tutorial sections will be posted on the course website at the start of the second week of classes. *Please attend your assigned tutorial*, to allow us to keep the sections balanced. If you have a problem with your assigned tutorial, please contact your instructor immediately.

Textbook: The required textbook for the course is “Algorithm Design” by J. Kleinberg and E. Tardos. You can also use the set of custom readings published by utpprint: “CSC373S/375S Spring 2005 Algorithm Design”. The textbook will be used for readings and exercises throughout the term.

See the course website for some additional references.

Outline: The following topics will be covered in this course, in the order listed. For each topic, we have indicated the approximate number of weeks required to cover the topic as well as a list of the relevant sections in the textbook.

- Shortest paths in graphs: Dijkstra’s algorithm (Section 4.5): 1 week.
- Greedy algorithms (Chapter 4): 2 weeks.
- Divide and conquer (Chapter 6): 2 weeks.
- Dynamic programming (Chapter 5): 2.5 weeks.
- Network Flow (Chapter 7): 2 weeks.
- Linear programming and approximation algorithms (parts of Chapter 11): 2 weeks.
- Randomized algorithms (Chapter 13): 1 week.

Grading Scheme:

Item	Due Date	Weight
Assignment 1	Oct 5	7.5%
Term test 1	Oct 10	10%
Assignment 2	Oct 26	7.5%
Assignment 3	Nov 16	7.5%
Term test 2	Nov 21	10%
Assignment 4	Dec 7	7.5%
Final exam	Dec	50%

- To pass this course, you must achieve a mark of 40% on the final exam.
- If your final exam mark is higher than one of your term test marks, the lower term test mark is counted with only 5% weight, and the final with 55%.
- On the term tests and final exam, if you cannot answer a question (or part of a question), you will receive 20% of the marks for that question (or part of a question) if you write “I don’t know” and nothing else.

Assignment Submission: All assignments are due *no later than 6pm* on their due date. All assignments must be submitted into the CSC 373H “drop box”, located in room BA 2220, including assignments submitted late for a lateness penalty (see the next section).

However, if you require special consideration for one of your assignments, please follow the “Policy on Special Consideration” given on the **Main Webpage**: hand in your assignment directly to your instructor or to the secretary in the main office (SF 3302), to be left in your instructor’s mailbox, along with a completed “Request for Special Consideration” form and your supporting documentation.

Lateness Policy: All assignments are due *by 6pm* on their due date. Late assignments will be accepted up to 24 hours after this deadline, with the following penalties.

Submission time	Penalty
by 6pm on Thursday	none
by 10am on Friday	-10%
by 6pm on Friday	-25%
after 6pm on Friday	-100%

Note that lateness penalties will be computed as a percentage of the total marks on the assignment, not of the mark you obtain. Late assignments must be submitted directly into the CSC 373H drop box (in room BA 2220), unless you require special consideration (see the section above for details). **Please write the *exact* submission time on your assignment if you are submitting late.**

The late policy is strictly enforced.

Plagiarism: Please read the **Guidelines for Avoiding Plagiarism** page for full details of the course policies and the Faculty’s rules. Plagiarism is a form of academic fraud and is treated very seriously. **The assignments you hand in must not contain anyone else’s work or ideas, without proper attribution.** In particular, the actual writeup of your assignments must be done in isolation from others (and without copying from notes or other sources). This ensures that your solution is truly your own, that you understand the course material, and that your grade reflects your own understanding.

Note that it is a serious offense to help someone commit plagiarism. *Do not let others look at your solutions, even in draft form.*

Please do not commit plagiarism, for your own sake. If you are having trouble with the course, come speak to us, that’s why we’re here!