

This sheet summarizes information for the course CSC 263H 1S (“Data Structures and Analysis”) during the Winter session of 2004 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 and the relevant sections of the course website.

<http://www.cs.utoronto.ca/~fpitt/20041/CSC263/>

Course
Website

The course website 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, more if possible). 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
Information

Instructor	Office	Phone	Email	Office Hours
François Pitt	SF 4306E	416-978-3707	fpitt@cdf.utoronto.ca	MW 12-2

Office
Hours

Instructor office hours are listed above. 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.

Lectures

Section	Time	Room	Instructor
L0101	MW 10	MP 202	François Pitt
L0201	MW 3	LM 161	François Pitt

Tutorials

Tutorials begin the **first** week of classes and are held every Friday during your regularly scheduled timeslot for this course. Room numbers and TA’s names for each tutorial section will be announced in lecture and posted on the course webpage during the first week of classes. You will be assigned a specific tutorial section, based on the first letter of your last (family) name. *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:

- Michael Goodrich & Roberto Tamassia, “*Algorithm Design: Foundations, Analysis, and Internet Examples*”. John Wiley & Sons (2002), ISBN: 0471383651.

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.

- Complexity analysis [2 weeks]. (sections 1.1, 1.2, 1.3, 1.4, 1.6)
- Balanced search trees [2 weeks]. (sections 3.1, 3.3)
- Hashing [2 weeks]. (section 2.5)
- Amortized analysis [1.5 weeks]. (section 1.5)
- Heaps and priority queues, disjoint sets [3.5 weeks]. (sections 2.4, 4.2)
- Graphs and graph traversal [2 weeks]. (section 6.3)

Grading
Scheme

Item	Due Date	Weight
Assignment 1	Jan 23	10%
Assignment 2	Feb 13	10%
Midterm Test	Feb 27	15%
Assignment 3	Mar 12	10%
Assignment 4	Apr 2	10%
Final exam	Apr 19–May 7	45%

Note: To pass this course, you must achieve a mark of 40% on the final exam.

Assignment
Submission

Specific submission instructions will be provided with each assignment. These instructions must be followed for all submissions, including assignments handed in late or early, unless you require special consideration.

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.

Be sure to read the course website and each homework assignment handout carefully!

Lateness
Policy

All homework assignments are due at the *start* of your tutorial on the due date indicated above. Late assignments will be accepted no later than *10:00am on the Monday following the submission deadline* for a penalty of -25% of the worth of the assignment. Late assignments must be handed in directly to your instructor (or to the secretary in room SF 3302, who can verify the submission time).

Note that even three minutes after the due time is considered late, so don’t take any chances! **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!