CSC 263H
Data Structures and Analysis
Summer 2016

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Website: http://www.cs.toronto.edu/~tyrone/teaching/CSC263_Summer_2016.html

Lecture: Wed 6-8 PM
Tutorial: Wed 8-9 PM (See webpage for rooms)
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Office Hours: TBA

Overview
This sheet summarizes information for the course CSC 263 H1 (Data Structures and Analysis) during the Summer term of 2016 on the St. George campus. Please consult this document for course details.

Course Goals
By the end of this course, students will be familiar with a variety of standard, complex data structures and abstract data types (graphs, dictionaries, balanced search trees, hash tables, heaps, disjoint sets), and with standard complexity measures (worst-case, average-case, amortized). More specifically, students will be able to:

- recognize algorithms that employ each data structure,
- write algorithms that employ each data structure,
- recognize when each complexity measure is most appropriate,
- analyze the efficiency of algorithms using each complexity measure,
- choose and/or modify data structures appropriately to solve various problems.

Prerequisites
Course and GPA prerequisites will be strictly enforced. There will be no exceptions. It is up to you to ensure you meet the prerequisites, if you do not you will be removed from the course.
Communication

We will use a Piazza for the course discussion board, any non personal questions should be posted there. You should expect a response within 48 hours from a TA or the instructor. Note we will have a 24 hour moratorium before assignments and tests are due. If you post a question in this period do not expect it to be answered before the deadline.
For personal questions please email the instructor, include CSC263 in your subject line. You should expect a response within 48 hours.
If for some reason you can not make the weekly office hours you can email the instructor to arrange an alternate meeting.
Announcements will be posted to the main page of the website, you should check it frequently.

Required Texts

The text is mandatory, it will be available in the Book Store.

Tentative Schedule

This is schedule is subject to change, see the course website for changes / exact dates.

- Assignment 1, due week 3.
- Assignment 2, due week 7.
- Midterm, during first exam period (Scheduled by Faculty of Arts and Science).
- Assignment 3, due week 9.
- Exam, during second exam period (Scheduled by Faculty of Arts and Science).

Grading

We will use the following grading scheme:

1. Assignments: 3 assignments spaced (almost) evenly throughout the term. The first is worth 10% of the final grade, the other two are worth 15% of the final grade.

2. Midterm: A one and a half hour midterm held after reading week in class. This is worth 25% of the final grade.
3. Exam: A three hour final exam will be held during the exam period. This is worth 35% of the final grade. Failure to achieve a mark of 35% on the exam will result in a final mark of 47% (or the term mark if it is lower), an automatic failure.

**20% Rule**

If you have no idea how to answer a question do not provide gibberish or simply recite definitions, this will result in a zero for that question. Instead leave the question blank you will receive a mark of 20% for that question. We don’t want to spend our time grading a question where you have no idea what you are doing, this saves us time and you marks.

**Collaboration and Assignment Policy**

For the assignments you may work in groups of two. You do not need to keep the same group throughout the term. You must submit a PDF file, non PDF files will receive a mark of zero. If your assignment is illegible you will receive a mark of zero. Each group must submit a writeup, different groups may not share anything from their submissions. When talking to students outside of your group you may only discuss high level concepts. A good rule of thumb is after talking to other students do something to cleans your brain for an hour (play video games / watch T.V.) if you can still writeup the solutions yourself you have likely learned the material.

Each student will be give three late day tokens. Each is worth 24-hours. You may use at most two for any assignment. That is if you have enough tokens you may submit an assignment up to 48-hours after the deadline. If you do not submit on time you receive a mark of zero. If a group submits late each student must have enough tokens to support a late submission. For example if you have three tokens and your partner has one you may submit up to 24-hours after the original deadline, failure to do so will result in a zero for both of you. In this case if your group does submit late you will have two tokens left and your parter will have none.

**Midterm and Exam Policy**

Most of the marks are from the midterm and final, the assignments are meant to be a preparation for the tests. If you neglect them, or let your partner handle the work you will be ill prepared for the testing and do poorly. No aids will be allowed for the midterm or final.

To pass the course you must achieve a final mark of 35%. Failure to do so will result in a final mark of 47% (or your overall mark if lower).
Remarking

If you wish to have a midterm or assignment remarked it must be done within a week of the graded work being returned. You must submit in writing why you feel you deserve a higher mark and where the disputed marks are, for midterms you must also provide the graded test. You must show how our marking differed from the grading scheme, marks will only be given for merit and not for need. Requests should be submitted to the instructor in class or office hours.
For simple mistakes, we forgot to grade a question / we did not add up the marks correctly, you do not need a formal request. Bring the work to the instructor and point out the error.

Petitions

If you are unable to complete homework or if you miss a test due to major illness or other circumstances completely outside of your control, please contact your instructor immediately. Special consideration will be considered on an individual basis and will not be given automatically. In other words, you risk getting a mark of zero for missed work unless you contact your instructor promptly. In the case of illness, medical documentation must be supplied on the official University of Toronto Verification of Illness or Injury Form.

Academic Offences

All of the work you submit must be done by you (or your legitimate partner) and your work must not be submitted by someone else. Plagiarism is academic fraud and is taken very seriously. For further detail please see: http://www.cs.toronto.edu/~fpitt/documents/plagiarism.html

Accessibility Needs

The University of Toronto is committed to accessibility. If you require accommodations for a disability, or have any accessibility concerns about the course, the classroom or course materials, please contact Accessibility Services as soon as possible: disability.services@utoronto.ca or http://studentlife.utoronto.ca/accessibility