This sheet summarizes information for the course CSC 263H 5S ("”) during the Spring session of 2010 at the University of Toronto at Mississauga.

http://www.cs.utoronto.ca/~avner/teaching/263/

The course website will contain the most up-to-date information possible. You are responsible for all announcements posted on the course web site as well as all announcements made in lectures and tutorials.

Instructor Information

Instructor: Avner Magen
Office: SE 4062
Phone: 905–569–4741
Email: avner at cs.utoronto.ca
Office Hours: Mon 14-15

Lectures

Time: Mon 11-13
Room: SE 3131
Instructor: Avner Magen

Tutorials

Time: Wednesday 16-17
Room: NE 268
TA’s name: Bryce Zimny

Textbook

Required:
Goodrich and Tamassia, Algorithm Design, Wiley

Recommended:
Cormen, Leiserson, Rivest and Stein Introduction to Algorithms, second edition, McGraw-Hill
(available free to U of T students through the library website)

Outline

The following topics will be covered, not necessarily in the order listed.

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Deadline</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment 1</td>
<td>Feb 1</td>
<td>11%</td>
</tr>
<tr>
<td>Assignment 2</td>
<td>Feb 12</td>
<td>11%</td>
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<tr>
<td>Assignment 3</td>
<td>Mar 10</td>
<td>11%</td>
</tr>
<tr>
<td>Assignment 4</td>
<td>Mar 24</td>
<td>11%</td>
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<table>
<thead>
<tr>
<th>Item</th>
<th>Date</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>Mid-Term Test</td>
<td>Feb 24</td>
<td>16%</td>
</tr>
<tr>
<td>Final exam</td>
<td>TBA (in the period Apr 8-24)</td>
<td>40%</td>
</tr>
</tbody>
</table>

- The term test will be held during the regularly scheduled tutorial, and will be closed-book.
- To pass this course, you must achieve a mark of at least 40% on the final exam.

“20% Rule”

For the term tests and final exam, you will receive 20% of the marks on each question (or part of a question) where you answer “I don’t know” and nothing else. This is a way to encourage you to be aware of (and honest about) your level of understanding, and to discourage random guessing. This rule does not apply to assignments, where you have the time (and the responsibility) to ask questions and learn how to solve each problem.

Assignment Submission

Assignments should be submitted at Tutorial. Assignments are to be completed in groups of no more than two individuals. No late assignments will be accepted except for documented unusual circumstances.

Plagiarism

Plagiarism is a form of academic offence and it is treated very seriously. The work you hand in (assignments and tests) must not contain anyone else’s work or ideas without proper attribution. Note that it is also a serious offence 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, please come speak to us, that’s why we’re here!