CPSC 210: Data Structures

Fall 1995

SYLLABUS

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Office Hours: M-W-F 3:00-4:00
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Course Description:

Methods for organizing data; design of algorithms for efficient manipulation and description of data structures.

Tentative Schedule:

–Introduction	Ch 1
–Arrays, Strings and Pointers	Ch 2
–Linked Lists	Ch 3
–Queues & stacks	Ch 4 & Ch5
October 2^{nd}	EXAM I: Ch 1–5
–Recursion	Ch 5, 6
–Sorting	§§6.2, 6.3
–Binary Trees	Ch 7
–Advanced Trees	§§7.5, 7.6
–Hash Tables	§7.8
Nov 20^{th}	EXAM II: Ch 5–7
–Graphs and Networks	Ch 9
–Shortest Paths	§9.4
–Searching Networks	Ch 10
–Storage Management	Ch 13
Dec 11^{th}	FINAL EXAM: Ch 1–9,10,13

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Text:

Thomas L. Naps, *Introduction to Data Structures and Algorithm Analysis,* West Publishing Co., St. Paul, New York, San Francisco, 2nd edition, 1992.

(You will also probably need a C language reference.)

Grading:

Homework Assignments:	10%
Programming Assignments:	25%
Exam I:	15%
Exam II:	25%
Comprehensive Final Exam:	30%

Policies:

- **Grading**: Assignments and exams will be graded on a numerical scale and will be combined with weights as described above to obtain total scores between 0 and 100. Note the weights add up to 105automatically some extra points. The usual grade scale is: 90–100 A, 80–89 B, 70–79 C, 60–69 D, 0–59 F. This may be adjusted slighly depending on the difficult of the assignement.
- **Late Assignments**: All Assignments are due at the beginning of class on the due date. Penalties will be deducted from late material.
- **Attendance**: Class attendance will not be taken, but you are responsible for all material covered in class.
- **Cheating**: Penalties will be determined on a case-by-case basis, but will usually be more severe than failing to turn in the assignment (i.e., it will cause at least negative scores on the assignment).