CSCB28F - File Structures **Fall 1998**

Instructor: Daniel Panario, panario@scar.utoronto.ca

Tutor: Goldine Cupit

Lectures: Mon, Wed 11:00–12:00, place S128

Tutorials: there are 3 tutorial sections

Thu 9:00–10:00	(R3231)
Fri 12:00–13:00	(R3011)
Fri 13:00–14:00	(R4226)

Office hours:

Lecturer: Mon and Wed 10:00–11:00 in S-626A.
Tutor: Mon 12:00-13:00, Fri 9:00-10:00 in S627C.

Textbook:

M.J. Zoellick and B. Folk "*File Structures*", second edition, Addison Wesley, 1992.

C programming language book:

K.N. King, "*C programming: a modern approach*", Addison Wesley, 1996.

Other texts for consult:

B.W. Kernighan and D.M. Ritchie, "*The C programming language*", 2nd ed., Prentice-Hall, 1988.

P.D. Smith and G.M. Barnes, "*Files and databases: an introduction*", Addison-Wesley, 1987.

Course goals (from the academic calendar): An introduction to techniques for storing, accessing and managing long-term data in computer systems. Hardware and software aspects of data processing: processors, storage devices, communications, file I/O control. Techniques for organizing and managing files: serial files, direct files, indexed files, multikey files, integrated files, file systems. Introduction to data base management systems with emphasis on relational data base systems.

Course Outline (tentative):

Topic	Approx. number of weeks
Introduction, C Programing Language	2
File structures concepts	2
Cosequential processing	1
Indexes	2
B-Trees	2
Hashing	2
Introduction to database	2

Marking Scheme:

3 Assignments at 15% each	45%
1 Term Test at 20%	20%
Final Exam at 35%	35%
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	100%

There will be electronic submission of assignments. The first and second assignments are individual. The third one can be done in groups of at most 2 persons. To pass the course, you must receive at least 35/100 on either the final exam or the term test.

Additional material will be taught in the tutorials. You are expected to know this material. Graded assignments and test will be handed back by the tutor. See the webpage of the course for the policies on plagiarism and lateness.

Web page:

`http://www.cs.toronto.edu/~daniel/teaching/B28/index.html`

Schedule:

First lecture - Sep 14

Assignment	Hand-out Date	Due Date
1	Sep 30	Oct 21
2	Oct 28	Nov 18
3	Nov 18	Dec 9

Midterm tests - October 28 (11:10 in lecture)

Last date to drop - November 6

Last lecture - December 9

Final exam - December 14-22, 1998.