University of Toronto
csc228— File Structures and Data Management, Spring 2001

Course Information Sheet

Lecturer

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Office Hours:	To be announced on the web page	

Course web page

`http://www.cs.utoronto.ca/~dianeh/228/01s`

On the course web site you will find copies of the lecture slides as well as a document called the **Course Guide**, which is required reading.

Lectures and Tutorials

Section L0101	Lectures:	Mondays and Wednesdays	10:00 – 11:00	MP 102
	Tutorials:	Fridays	10:00 – 11:00	various locations
Section L0201	Lectures:	Mondays and Wednesdays	3:00 – 4:00	MP 202
	Tutorials:	Fridays	3:00 – 4:00	various locations

Tutorials begin the *first* week of classes. You will be allowed to choose your own tutorial on a first-come first-served basis. Details will be announced in lecture. *Your partner(s) for the course project must be from your tutorial, so if there is someone in particular you want to work with, make sure you both choose the same tutorial.*

Textbooks etc.

What you need to own.

- *File Structures: An Object-Oriented Approach with C++*, by M.J. Folk, B. Zoellick, and G. Riccardi; Addison-Wesley 1998.
- A book of your choice to use as a language reference for C++. See the web page for some suggestions.

Reference books. You do not need to own these, but may find them useful. All are on reserve in the CS library.

- *The Practise of Programming*, by Kernighan and Pike; Addison-Wesley, 1999.
  An excellent reference on good programming practices.
- *The C++ Programming Language*, by Stroustrop; Addison-Wesley, 1997.
  The standard C++ reference book.
- *Data Structures, Algorithms, and Software Principles in Java*, by T.A. Standish; Addison-Wesley, 1998.
  Chapter 8 introduces B-trees, and chapter 9 discusses hashing.
- *Files and Databases: an Introduction* by P.D. Smith and G.M. Barnes; Addison-Wesley 1988.
  Formerly used as the text for this course.
- *Foundations of Computer Science* by A.V. Aho and J.D. Ullman; W.H. Freeman 1992.
  Chapters 7 and 8 discuss fundamentals of relations and relational databases.
- *A First Course in Database Systems*, by J. Ullman and J. Widom; Prentice Hall, 1997.

One additional reference that we didn't discover in time to order for the UofT libraries:

- *C++ for Java Programmers*, by by Timothy Budd; Addison-Wesley, 1999.
  Not a complete reference, but readable, and aimed at programmers in your shoes (who are going from Java to C++).

Course notices

You are responsible for announcements made in lectures, and for reading all postings by the lecturers (Michelle Craig at UTM and Diane Horton at St George) and TAs to the course newsgroups ut.cdf.csc228h.

Course grading scheme

Item		Weight	Date	
Assignment 1	part A +	total:	25 January	(week 3)
	part B	10%	08 February	(week 5)
Assignment 2	part A +	total:	15 February	(week 6)
	part B	15%	08 March	(week 8)
Project	plan	4%	15 March	(week 9)
	presentation	3%	approx. late March	
	report	15%	12 April	(week 13)
	teamwork	3%	always!	
Midterm exam		15%	02 March, in tutorial	(week 07)
Final exam		35%	during the period 23 Apr – 11 May; 3 hours	

You must receive at least 40% on the final exam in order to pass this course.

All programs are to be written in C++. You may use any computer that you like, but you will be required to submit all of your programs electronically, and they must run correctly on the CDF computer lab.

Assignments are to be done individually, while the project will be done in groups of two or three students.

Late Policy

All assignments, whether on time or late, are to be handed in to the 228 drop box, beside the 148 drop boxes.

For students in both sections, all assignments are due at noon on a Thursday. Quarter past the hour is late.

Late assignments will be handled based on a system of "grace days", as follows: Each student begins the term with 3 grace days. An assignment handed in by 10:00 am on the Friday uses up one grace day; if handed in by 10:00 am the following Monday it uses up 3 grace days. The project plan and final report *cannot* be handed in late. The grace days are intended for use in emergencies (e.g., printer failure or car failure). Do not use them to buy an extension because of a busy week or you will be out of luck in a true emergency.

If you are at risk of missing a deadline due to a busy week, rather than use your grace days you should hand in a working (and tested) version of a simpler program. This will be easy to do if you have written and debugged a series programs that accomplish more and more of the assigned problem.

The printers are virtually guaranteed to be extremely backed up on the mornings of due dates. This will not be considered grounds for an extension. You are strongly urged to make your printouts the night before.

Illness

In the event of an illness or other catastrophe, get proper documentation (e.g., medical certificate). But if you have grace days left, use them; if you need those days back later, give your documentation to me at that time.

Other important dates

February 19–23:	reading week; no classes
Monday March 11:	last day to drop this course without academic penalty
Friday April 13:	Good Friday; university closed
April 9–12:	last week of classes
Apr 23 to May 13:	final exam period