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

Course Information Sheet

Lecturer

Sven Dickinson	office:	D.L. Pratt 283B
	phone:	416-978-3853
	email:	sven@cs.toronto.edu
Office Hours:	Wednesday, 1:00 - 3:00 pm	

Course web page

`http://www.cs.toronto.edu/~sven/228`

Lectures and Tutorials

Lecture:	Monday 6:00 – 8:00 pm	WB 116
Tutorial:	Monday 8:00 - 9:00 pm	various locations

The tutorials will be held by the tutors in four different rooms. Please check the website to find out which tutorial room/tutor you're assigned to, and make sure you report to that particular room each week. In the second half of the course, you will be working in groups of 2-3 on a large programming project. You will be asked later in the semester to submit the names of your group members. Don't worry if your group members span different tutorial sections.

Tutorials begin the *second* week of classes.

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. My choice would be *On To C++*, by Patrick Henry Winston, Addison-Wesley 1994. Since I have designated this text as "recommended," the book store will carry it. At the beginning of the semester, the UofT bookstore had 40 copies in stock. They will order more if we need them.

Reference books. You do not need to own these, but may find them useful. I have put all 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. It is now out of print.

- *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.

Course notices

You are responsible for announcements made in lectures, and for reading the on-line course newsgroup ut.cdf.csc228h.

Course grading scheme

Item (approx. handout date)		Weight	(Due) Date	
Assignment 1	part A +	total:	24 September	(week 3)
(Sept 17)	part B	10%	9 October	(week 5)
Assignment 2	part A +	total:	15 October	(week 6)
(Oct 1)	part B	15%	05 November	(week 9)
Project	plan	4%	12 November	(week 10)
(Oct 29)	presentation	3%	last two tutorials	(weeks 12,13)
	report	15%	03 December	(week 13)
	teamwork	3%	always!	
Midterm exam		15%	22 October	(week 7)
			in tutorial, 1hr.	
Final exam		35%	10 Dec – 19 Dec;	
			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 lab.

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

Late Policy

All assignments are due **at the beginning, 6:10 pm** of the class; quarter past the hour is late. Late assignments must be handed in to the 228 drop box. Late assignments will be handled based on a system of "grace days", as follows: Each student begins the term with 3 grace days that can be counted towards assignment deadlines only. The project plan and final report *cannot* be handed in late. An assignment handed in at 8:00 pm on the due date (or by 6:10 pm the next day) uses up one grace day. If you don't use up any grace days for the first assignment, you have up to three to "spend" on the second assignment. Once you've spent your three days, any late assignments will receive a mark of zero. My advice is not to spend them early, but rather save them for a rainy day later in the semester (i.e., assignment 2). The grace days are intended for use in emergencies (e.g., printer failure or TTC breakdown). 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 of 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

Monday, October 8:	Thanksgiving; university closed
Sunday, November 4:	last day to drop this course without academic penalty
December 3:	last class
December 10–19:	final exam period