

CPSC 100 — Computer Programming I — Fall 2001

Professor Dr. David Casperson

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Rooms Lectures are in 7-212; tutorials are in 5-125, and labs are in 5-164.

Hours	Lectures	M	W	F	17:30-18:20
	Tutorial A		T		13:00-14:20
	Tutorial B		T		10:00-11:20
	Tutorial C		T		8:30- 9:50
	Lab 9	M			10:00-11:20
	Lab 1	M			13:00-14:20
	Lab 2		T		16:00-17:20
	Lab 3		W		13:00-14:20
	Lab 4			R	10:00-11:20
	Lab 7			R	11:30-12:50
	Lab 5			R	13:00-14:20
	Lab 6			R	16:00-17:20
	Lab 8			F	14:30-15:50

Text *Computer Science: A Structured Programming Approach using C++* by Behrouz A. Forouzan and Richard F. Gilberg

References *C++ How to Program*, third edition, by H.M. Deitel and P.J. Deitel.

Dates:	First class	:	Wed, Sep 05
	Thanksgiving	:	Mon, Oct 08
	Exam 1	:	Wed, Oct 10
	Last drop day	:	Tue, Oct 16
	Remembrance Day	:	Sun, Nov 11
	Exam 2	:	Wed, Nov 07
	Course evaluations	:	Wed, Nov 28
	(Final) Exam 3	:	05-14 Dec

Grading Scheme

Assignments	:	15%
Quizzes	:	up to 5%
Exam 1	:	20%
Exam 2	:	20%
(Final) Exam 3	:	40%

Topics Covered (not necessarily in the order listed) Number systems. Binary arithmetic. Problem solving techniques. Program development process. Data types. Arithmetic and logical expressions, assignments, looping and control structures. Functions. File I/O. Arrays, pointers and strings. Object-oriented software development. Classes and data abstraction. Inheritance. Function overloading. Friend functions/classes. Dynamic data. Introduction to operator overloading and polymorphism.

An introduction to Unix, editors, C++ compiler and debugging tools will be provided in the labs.

General

- Late assignments will be assessed 10% penalty for each day that the assignment is late. Assignments are due at the beginning of class, laboratory, or tutorial unless otherwise specified. No assignments will be accepted after corrected assignments have been returned to the class.

- **Quizzes will be unannounced and will be given during lectures, tutorials or labs.** No makeup exams/quizzes.

Cheating: Discussion of assignment topic is encouraged but all assignments must be done independently. Copied assignments are considered as “Academic Dishonesty.” First-time offenses result in a grade of -100% on the assignment in question and formal notification of the Dean of the College of Science and Management.