

Introduction to Computer Systems and Programming

CPSC 110 — Winter 2009

course outline

Objective: To be able to programmatically manipulate scientific data sets.

Instructor: Dr David Casperson

Office: T&L 10-2046

Telephone: 960-6672

e-mail: casper@unbc.ca

web address:

<http://web.unbc.ca/~casper>

Rooms: Lectures are in 8-166; tutorials are in 8-166 or 7-150; and labs are in 8-456.

Hours:

Lectures	M W F	8:30–9:50
Tutorial A	T	14:30–15:50
Tutorial B	M	14:30–15:50
Lab 1	W	16:00–17:20
Lab 2	T	13:00–14:20
Lab 3	F	13:00–14:20
Office Hour*	R	14:00–15:30
Office Hour*	F	14:00–15:00

*or by arrangement.

Text: *Starting Out With Java : From Control Structures through Objects* by Tony Gaddis. 3rd edition. ISBN: 9780321479273.

Dates:

First class	:	Mon, Jan 05
Exam 1	:	Wed, Feb 04
Winter Break	:	Feb 16–20
Last drop day	:	Fri, Feb 13
Easter Friday	:	Fri, Apr 10
Easter Monday	:	Mon, Apr 13
Exam 2	:	Wed, Mar 11
Course evaluations	:	Wed, Apr 01
(Final) Exam 3	:	14–25 Apr

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) Approximately Chapters 1–7 of the text. An overview of computer hardware. How computers store basic information. Problem solving techniques. Program development process. File I/O. Data types. Arithmetic and logical expressions. Looping and control structures. Static Methods. Classes, Objects, and Object Creation.

An introduction to editors, the JAVA compiler and debugging tools is provided in the labs.

General:

- **Quizzes will be unannounced and will be given during lectures, tutorials or labs.** No makeup exams/quizzes.
- Assignments are due at the *beginning* of lecture on the day on which they are due. Otherwise a late penalty applies. Late policy and other course policies can be found online at the location given below.

Cheating: Discussion of assignment topics is encouraged but assignments must be done independently. Copied assignments are considered “Academic Dishonesty” as defined in the University Calendar. Offenses result in a grade of -100% and formal notification of the Dean.

Web-site Course Policies: My web site can be found at <http://web.unbc.ca/~casper/>. The links below can be navigated to from there. Specific course information can be found at <http://web.unbc.ca/~casper/Semesters/2009W/110.php>. Course policies can be found at <http://web.unbc.ca/~casper/Semesters/2008W/110-policies.php>.