

# CPSC 101 — Computer Programming II — Winter 2017

## course outline

see also <http://web.unbc.ca/~casper/>  
<http://learn.unbc.ca/>

**Instructor:** Dr David Casperson

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**web addresses:**

<http://casper.unbc.ca/> and  
follow the links.

**Office:** T & L 10-2080

**Office Hours:**

M            F 11:00-12:00  
or by arrangement.

**Rooms:** Lectures are in 5-176; tutorials  
are in 5-159, and labs are in 8-457.

**Text:** *Big Java: Early Objects* by Cay  
Horstman. 6<sup>th</sup> edition. ISBN: 978-1-1190-  
5644-7.

**Grading:**

Assignments  
and Quizzes : 15%  
Team Project : 15%  
Tutorial  
Participation : 5%  
Exam 1 : 15%  
Exam 2 : 15%  
(Final) Exam 3 : 35%

**Dates:**

Lab Assignments : *approx weekly*  
First class : Wed, Jan 04  
Exam 1 : Fri, Feb 03  
Last drop day : Thu, Feb 23  
Winter Break : Feb 14-17  
Exam 2 : Fri, Mar 10  
Course Evaluation : Fri, Apr 01  
Last class : Fri, Apr 07  
(Final) Exam 3 : Apr 11-26

**Topics from:** (*not necessarily in the order listed*) Memory organization. General programming concepts (discussed in Java) including an introduction to template, and exceptions and exception handling. An introduction to object-oriented design and design patterns. Object-oriented programming concepts, including: inheritance, overriding and overloading, inner classes, and polymorphism. Graphics programming (specifically using Swing in Java).

**General:**

- Assignments are late if they are not received at the *beginning* of the lecture at which they are due. Further details on late policy can be found on my web-site.
- The team project accounts for 15% of your mark in this course, and your participation in the team project affects the grade of your fellow team-mates. Team meetings and other team project activities happen outside of scheduled class times. Please plan accordingly.
- There will be between 4 and 8 programming assignments, the assignments being given out approximately weekly.
- Discussion of assignment topic is encouraged but all assignments must be done independently. Copied assignments are considered academic dishonesty. Responses to academic dishonesty include awarding a *mark of* -100% on the assignment in question and *written notification* of the Office of the Registrar.
- Tutorial participation is mandatory.
- Some Wednesday classes will be taught by others.