CPSC 222 — Introduction to Concurrent and Distributed Programming — Winter 2017

course outline

see also `http://casper.unbc.ca/`
`http://learn.unbc.ca/`

web addresses:
`http://casper.unbc.ca/`,
`http://casper.unbc.ca/Semesters/2017W/222.php`

Office Hours:
M 13:00–15:00
or by arrangement.

Grading:

Programming Assignments	:	25%
Claasroom Participation	:	5%
Paper	:	5%
Exam 1	:	15%
Exam 2	:	15%
(Final) Exam 3	:	35%

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Office: T & L 10-2080

Rooms: Lectures are in 5-174.

Dates:

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
First Draft	:	Fri, Mar 24
Course Evaluation	:	Wed, Mar 29
Revised paper	:	Fri, Apr 07
Last class	:	Fri, Apr 07
(Final) Exam 3	:	Apr 11–26

Topics from: (*not necessarily in the order listed*) Simultaneity (Distributed, parallel, and concurrent programming). Message passing. Concurrent data structures. Concurrent objects: Semaphores, Locks, Atomic Registers, Channels, and the like. Monitors. Standard Problems (Mutual Exclusion, *etc.*; Readers and Writers; Producers and Consumers). Events. Threads and Processes.

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 at `http://casper.unbc.ca/Semesters/2017W/222-policies.php#late` .
- Programming assignments will be given 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.