CPSC 221: Basic Algorithms and Data Structures

Last Updated: September 19, 2008

Course Description

This course is an introduction to the design and analysis of basic data structures. It integrates topics in discrete mathematics and data structures, thereby providing a theoretical and practical foundation for many of our 3rd and 4th year computer science courses. The topics in this course are listed on the last page of this document.

Prerequisites CPSC 211, and one of CPSC 121 or MATH 220.

MATH 101 (or equivalent) is a corequisite, meaning that you either need to have credit for MATH 101 (or equivalent) or you have to take it concurrently. The department will enforce these prerequisites and corequisites. Equivalent credit for older versions of these courses (or appropriate transfer credits) will likely be acceptable.

Instructor William Evans (will@cs.ubc.ca), office: ICCS X841[1]

Please limit e-mail to questions of a personal/confidential nature (e.g., sickness). The lectures, tutorials/labs, and bulletin board (also known as "Discussions" or "Discussion Group" on WebCT) are the right places to ask general questions. The bulletin board is read by all students in our lecture section, plus the TA's, and the instructor; so, a lot of us can respond to your questions. Students are encouraged to ask questions, and to respond to other students' questions, as long as the questions don't ask for answers to homework (theory or programming assignments).

TAs Landon Boyd (blandon@cs.ubc.ca) and Ashiqur KhudaBukhsh (ashiqur@cs.ubc.ca)

Plus there will be several markers assigned to this course.

Office Hours

Will Monday 13:00–14:00 & Thursday 09:00–10:00 in ICCS X841

Landon Wednesday 15:30–16:30 & Friday 10:00–11:00 in ICCS X150

Ashiqur Tuesday 14:30–15:30 in ICCS X150

Lab/Tutorial Times (and a few comments about the programming in this course)

Labs/tutorials start during the second week of the course (Sep. 9th and after). You must be registered in one of the following lab/tutorial sections. Please pay attention to the handin dates for the programming labs — these are based on your registered lab section.

Lab	Date & Time	Location	TA	TA Helper	size
L1A	Tue 11:00–13:00	ICCS X350	Ashique	TBA	26
L1C	Thu 15:30–17:30	ICCS X251	Landon	TBA	22
L1D	Thu 10:30–12:30	ICCS X251	Ashique	TBA	19

[1] Note that "ICCS" stands for the regular CS dept.'s building, sometimes called "CICSR" or "ICICS" or "ICICS/CS".

Cpsc 221 Basic Algorithms And Data Structures

Ensheng Dong

Cpsc 221 Basic Algorithms And Data Structures:

Adopting the Melody of Phrase: An Emotional Symphony within **Cpsc 221 Basic Algorithms And Data Structures**

In a global eaten by screens and the ceaseless chatter of quick interaction, the melodic splendor and mental symphony produced by the written term usually diminish in to the backdrop, eclipsed by the constant sound and distractions that permeate our lives. But, situated within the pages of **Cpsc 221 Basic Algorithms And Data Structures** an enchanting literary treasure filled with organic emotions, lies an immersive symphony waiting to be embraced. Crafted by a wonderful composer of language, this fascinating masterpiece conducts visitors on an emotional trip, skillfully unraveling the hidden songs and profound impact resonating within each carefully constructed phrase. Within the depths of this moving review, we can explore the book is main harmonies, analyze its enthralling writing design, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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