CMPT 225 - D100 Data Structures/Programming

Instructor(s): John Edgar

Calendared Objective/Description:
Data Structures/Programming

Instructor's Objectives:
This course explores fundamental algorithms and data structures that can help in developing elegant and efficient solutions to complex problems. We will study their specification, analysis, implementation (in C++), experimental evaluation, and applications.

Prerequisites:
see go.sfu.ca

Grading:
Course work will consist of programming projects, a midterm exam, and a final exam. Exact marking scheme will be given in the first week of class.

Students must attain an overall passing grade on the weighted average of exams in the course in order to obtain a clear pass (C- or better).

Required Books:
Data Structures and Algorithms in C++ (2nd edition), Michael Goodrich, Roberto Tamassia, David Mount, John Wiley and Sons, 2011, 9780470383278

Reference Books:
Programming: Principles and Practice using C++ (Second Edition), Bjarne Stroustrup, Addison-Wesley, 2014, 9780321992789

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