SU DEPARTMENT OF COMPUTER SCIENCE
SYLLABUS (Tentative)
COSC 320 Advanced Data Structures & Algorithm Analysis

Description: In this course, algorithm complexity analysis, algorithm design technique (greedy methods, divide and conquer, dynamic programming) and efficient algorithms for various problems will be introduced. Advanced data structure such as hash tables, binary search trees and red-black tree will be explored. Graph transversal and minimization algorithms will also be covered. Three hours lecture and two hours lab per week.

Prerequisites: COSC 220 and MATH 210, both complet with a grade of C or better.
Required Text: No required textbook
References