MACM 101 - D200 Discrete Math I

Instructor(s): Harinder Khangura

SFU Surrey

Calendar Objective/Description:
Discrete Math I

Instructor's Objectives:
This course is an introduction to discrete mathematics. The course will focus on establishing basic principles and motivate the relevance of those principles by providing examples of applications in Computing Science and other related areas.

Most if not all course components (lectures, assignments, and exams) will be in an online format. Students must have access to a computer with internet access and a webcam. Some components of the course may require real-time participation during the scheduled lecture and/or exam times.

Prerequisites:
see go.sfu.ca

Topics:
- Counting
- Logic and Quantifiers
- Set Theory
- Formal Reasoning and Induction
- Functions and Relations
- Number Theory
- Growth of Functions

Grading:
There will be several assignments, one or two midterms, and a final exam. The details will be discussed in the first week of classes.

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:

Recommended Books:

Academic Honesty Statement::
Academic honesty plays a key role in our efforts to maintain a high standard of academic excellence and integrity. Students are advised that ALL acts of intellectual dishonesty will be handled in accordance with the SFU Academic Honesty and Student Conduct Policies (http://www.sfu.ca/policies/gazette/student.html).