CMPT 756 - G100 Distributed and Cloud Systems

Instructor(s): Ouldooz Baghban Karimi

Calendar Objective/Description:
Distributed and Cloud Systems

Instructor’s Objectives:
In this graduate course we will learn about distributed and cloud systems. We will explore challenges, opportunities, and limitations in real-world systems. Further, we will explore the evolution of these systems and technologies by reading current and historically significant foundational research papers.

Students must have access to a computer with stable internet connection. Some components of the course require real-time participation during the scheduled lecture and/or exam times.

Prerequisites:
see go.sfu.ca

Topics:
- Distributed and Cloud Systems: Opportunities and Challenges
- Virtualization, Cloud, Data Center
- Distributed Computing
- Distributed and Cloud-based Databases
- Blockchain Technologies
- Cloud Security and Privacy

Grading:
Homework Assignments (20%) Quizzes (15%) Midterm (25%) Final Project (40%) Details will be discussed during 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).

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 ).