CMPT 756 - G100 Distributed and Cloud Systems

**Instructor(s):** Ouldooz Baghban Karimi

**SFU Burnaby**

**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).