CMPT 982 - G100 Spec. Top. in Network-Systems

**Instructor(s):** Steven Ko

**SFU Burnaby**

**Calendar Objective/Description:**
Spec. Top. in Network-Systems

**Instructor's Objectives:**
This is a project-based course that looks at automated software validation/testing techniques for programs written in Rust. The course consists of lectures by the instructor, paper readings/presentations by students, and projects carried out by students. The course first reviews the Rust programming language as well as automated software validation/testing techniques such as symbolic execution, fuzzing, and property testing. The course then reads and discusses a number of papers related to those validation/testing techniques. Students are expected to propose a project in consultation with the instructor and carry it out to completion.

**Prerequisites:**
see go.sfu.ca

**Grading:**

**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](http://www.sfu.ca/policies/gazette/student.html)).