CMPT 782 - G100 Cybersecurity Lab I

Instructor(s): Mohammad Tayebi

Calendar Objective/Description:
Cybersecurity Lab I

Instructor's Objectives:
This is the first lab course for the students enrolled into the Cybersecurity concentration of Professional Master's Program. This course covers three core topics: penetration testing, web security and cloud security. The course lectures will provide students with the background needed to complete the hands-on weekly assignments. Students need a computer with reliable Internet connection. For some assignments your computer should be able to run three VMs (Kali, Windows XP and Windows 7) at the same time. There will be three in-class quizzes and one group course project in the course. The details will be discussed in the first week of the semester.

Prerequisites:
see go.sfu.ca

Topics:
- Cyber threat intelligence
- Security assessment via penetration testing
- Web applications security
- Cloud computing security

Grading:
Grading will be discussed in the first week of class.

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).

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 ).