CMPT 318 - D200 Special Topics Cmpt. Science

Instructor(s): Bobby Chan

Calendar Objective/Description: Special Topics Cmpt. Science

Instructor's Objectives: This course will examine the architecture and technology of web-based information systems in a variety of application contexts. It will focus on the server-side development techniques and technologies. It will also serve as a practical introduction to the installation, configuration and operation of secure web services. A practical knowledge of client-side development tools will be an asset.

Prerequisites: Cmpt218

Students who have obtained credit for Cmpt470 may not take Cmpt318 for further credit

Prerequisites: see go.sfu.ca

Topics:
- Web server configuration.
- WWW design issues; HTTP.
- Web as remote user interface in distributed computing systems: server-side scripting; database integ
- server-side scripting
- database integration
- Security
- Authentication and authorization
- Communication of web-based systems
- Virtualization

Grading: Details of the marking scheme will be discussed in the first week of lecture.

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).

Reference Books:
Fundamentals of Web Development, Randy Connolly Ricardo Hoar, Pearson, 2018, 9780134481265

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).