CMPT 470 - E100 Web-Based Info Syst

Instructor(s): Gregory Baker

SFU Burnaby

Calendar Objective/Description:
Web-Based Info Syst

Instructor's Objectives:
This course will examine the architecture and technology of web-based information systems in a variety of application contexts. It will also serve as a practical introduction to the installation, configuration and operation of secure web services.

Online offering notes: you will need a computer with a webcam and reliable Internet access. The computer should be powerful enough to run a virtual machine: at least 8 GB memory, 20 GB disk, and a reasonably decent processor. There will be 3-4 in-class activities during the semester which must be completed during the lecture time. Otherwise, lectures will be posted as a “watch party” where we can watch together (and ask questions in a forum), but they can also be viewed later.

Prerequisites:
see go.sfu.ca

Topics:
- Web server configuration.
- Web as multimedia and hypertext publication system: markup and style (HTML, CSS); WWW design issues; HTTP.
- Web as remote user interface in distributed computing systems: client-side scripting; server-side scripting; database integration; security.
- Various WWW-related technologies of interest which could include collaborative frameworks (Wikis, DAV), computer-to-computer communication (RPC, SOAP), middleware and enterprise, and emerging XML standards.

Grading:
Will include weekly exercises and group work including a video-based presentation, and a final project. Details 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).

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).