CMPT 470 - D100 Web-based Information Systems

Instructor(s): Gregory Baker

Calendar Objective/Description:
This course examines: two-tier/multi-tier client/server architectures; the architecture of a Web-based information system; web servers/browser; programming/scripting tools for clients and servers; database access; transport of programming objects; messaging systems; security; and applications (such as e-commerce and on-line learning).

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.

Prerequisites:
(CMPT 275 or CMPT 276) and CMPT 354.

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:
To be announced in first 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).

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 ).