CMPT 863 - G100 Human-Computer Interaction

Instructor(s):
Parmit Chilana
SFU Burnaby

Calendar Objective/Description:
Human-Computer Interaction

Instructor’s Objectives:
Advanced topics in human-computer interaction (HCI) will be introduced for better understanding end users, solving a variety of problems in the design of technology, and inventing novel forms of interaction. Focus will be on current trends in interdisciplinary HCI research, design of interactive systems, and user-centered evaluation techniques. Students will work on a semester-long research project related to HCI. Classes will be held in the form of lectures, seminars, paper reading, and open discussions.

Prerequisites:
see go.sfu.ca

Topics:
- identify key user interaction challenges/ problems with modern technologies
- explain the benefits and drawbacks of user-centred design/ HCI
- conduct lab-based observational usability testing evaluations
- apply a variety of methods (e.g., interviews, surveys) to gather design requirements from users
- design and evaluate interactive systems and techniques using different prototyping tools
- articulate and justify design decisions and findings in written and oral presentations

Grading:
Grading will be announced in the first week of classes.

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 ).