CMPT 888 - G100 Special Topics in Computer Graphics, HCI, Vision and Visualization

Instructor(s): Parmit Chilana

SFU Burnaby

Calendar Objective/Description:
Examines current research topics in computer graphics, human computer interaction (including audio), computer vision and visualization.

Instructor's Objectives:
This seminar-based course will introduce the interdisciplinary field of human-computer interaction (HCI). Principles and methods in HCI can be used to better understand end users, solve a variety of problems in the design of technology, and invent novel forms of interaction. Focus will be on current trends in 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 seminars, paper reading, and open discussions. Course material will be extracted from the current literature.

Prerequisites:
None

Topics:
- Introduction to human-computer interaction
- Research methods in HCI
- Designing interactive systems
- Involving users in the design process
- Evaluating HCI systems

Grading:
To be announced in class.

Reference Books:
Books, latest surveys, and research papers to be made available when class starts.

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 ).