Computing Science Course Outlines  2018 Spring

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).