CMPT 469 - D100 Spec.Topics/Computer Graphics

Instructor(s): Sheelagh Carpendale

SFU Burnaby

Calendar Objective/Description:
Spec.Topics/Computer Graphics

Instructor's Objectives:
This course will introduce students to a human-centered approach to data visualization. Students will learn about how to work with data and data stakeholders to discover data needs and data challenges. How to leverage ideation techniques such as sketching, storyboarding, and cards to come up with initial data visualization design solutions. Students will learn about data representation, about use of visual spatial organization and interaction, and about the challenges and possibilities of assessment and evaluation. Prerequisites: Please note that CMPT 361 is not required. However, students may find that taking either or both of CMPT 361 and/or CMPT 363 before taking this course is advantageous.

Prerequisites:
see go.sfu.ca

Topics:
- Steps, processes, approaches and guidelines for designing useful and usable data visualizations
- Challenges and possibilities for assessment and evaluation of data visualizations

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

Required Books:
Visualization Analysis and Design, Tamara Munzner, A K Peters, 2014, 9781466508910

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 ).