

CSC 428/2514 Human Computer Interaction

Classes:

Monday 6:00 PM - 8:00 PM

Thu 6:00-7:00 PM [Guest Speakers/Tutorial]

Delivery

Online

Course Website: tiny.cc/hquercus

Lecture Schedule

The schedule may be subject to change. Any changes will be announced.

	Lecture Topic
Week 1	Jan 8 : Welcome, Course Introduction
Week 2	Jan 15 : Designer Mindset in HCI
Week 3	Jan 22: HCI & Mental Wellbeing
Week 4	Jan 29: Interviews & Analysis
Week 5	Feb 5: Process of HCI Research
Week 6	Feb 12: HCI & Reflection in Learning & Other Domains
Week 7	Feb 19 -23 Spring Reading Week
Week 8	Feb 26: Randomized A/B experiments
Week 9	Mar 4: Statistical Analysis of A/B Experiments
Week 10	Mar 11: HCI & Machine learning/Artificial Intelligence
Week 11	Mar 18: Collective Intelligence, Crowdsourcing & Human Computation
Week 12	Mar 25: Participatory Design & Recap of Course Topics Part 1
Week 13	Apr 1: Recap of Course Topics Part 2

Course Overview and Objectives:

CSC428H/2514 is the department's second course in Human-Computer Interaction. It builds on the department's first course in HCI, CSC318, and what students learned there about interface design through task analysis, usability testing and iterative design. While the focus in 318 was largely on the design process, this second course will focus more on the underlying models of human-computer interaction, rigorous evaluation, statistical methods, and research frontiers and application.

Grading Scheme:

- Before Reflection & Algorithm (15%)
- After Reflection & Algorithm (10%)

- MOU & Onboarding (2%)
- Class Design (15%)
- Assignment 1 (15%)
- Assignment 2 (30%)
- Contribution To Class (5%)
- Generative AI Activities (8%)

Prerequisites: CSC318H1; STA237H1/ STA247H1/ STA255H1/ STA257H1/ [ECE302H1](#)/ STA286H1/ [CHE223H1](#)/ [CME263H1](#)/ [MIE231H1](#)/ [MIE236H1](#)/ [MSE238H1](#)/ [ECE286H1](#); CSC209H1/ proficiency in C or C++ or Java/ [APS105H1](#)/ [ESC180H1](#)/ CSC180H1

Corequisites: None

Exclusions: CSC428H5. NOTE: Students not enrolled in the Computer Science Major or Specialist program at A&S, UTM, or UTSC, or the Data Science Specialist at A&S, are limited to a maximum of 1.5 credits in 300-/400-level CSC/ECE courses.

Recommended Preparation: A course in PSY; (STA248H1/STA250H1/STA261H1)/(PSY201H1, PSY202H1)/(SOC202H1, SOC300H1)

Credit Value: 0.5

Contact: (Email hciteaching@cs.toronto.edu with questions not answered on Discord or to make appointments for office hours)

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- Andrii Lenyshyn andrii.lenyshyn@mail.utoronto.ca TA
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Distribution Requirements:

Science

Breadth Requirements:

The Physical and Mathematical Universes (5)

Program Area Section:

Computer Science