

**CSC 428/2514 Human Computer Interaction, Spring 2023**  
**Course Information Sheet**

**Course Instructor:**

Prof. Joseph Jay Williams  
[williams@cs.toronto.edu](mailto:williams@cs.toronto.edu)

**Classes:**

Monday, 6pm - 8pm, beginning January 9th  
Thursday, 6pm - 7pm

**Zoom**

<https://utoronto.zoom.us/j/83460615597>

Meeting ID: 834 6061 5597

Passcode: 96711

**Office Hours:**

By appointment (email to make an appointment)

**TAs:**

- Ilya Musabirov [ilya.musabirov@mail.utoronto.ca](mailto:ilya.musabirov@mail.utoronto.ca)
- Ananya Bhattacharjee [ananya@cs.toronto.edu](mailto:ananya@cs.toronto.edu)
- Amanda Leiva [amanda.leiva@mail.utoronto.ca](mailto:amanda.leiva@mail.utoronto.ca)

**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, and research frontiers.

**Prerequisite:** CSC318H1; STA237H1/STA247H1/ STA255H1/ STA257H1; CSC209H1/  
proficiency C++ or Java

**Recommended Preparation:** A course in PSY; CSC209H1; (STA248H1/ STA250H1/  
STA261H1)/(PSY201H1)

**Distribution Requirements:**

Science

**Breadth Requirements:**

The Physical and Mathematical Universes (5)

**Program Area Section:**

Computer Science

**Course Webpage:**CSC428: <https://q.utoronto.ca/courses/293844>CSC2514: <https://q.utoronto.ca/courses/293313>**Grading Scheme:**

- Assignment 1: 15%
- Assignment 2/Project: 30%
- Before Class Reflection & Algorithm: 15%
- After Class Reflection & Algorithm: 10%
- Class and Breakout Rooms Design: 10%
- Contribution To Class: 10%
- Designing Team Support: 5%
- Choose Your Assignment: 5%

Bonus points: 2% To be determined for activities to increase online engagement.

**Lecture Schedule**

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

	Lecture Topic
Week 1	Jan 9: Introduction
Week 2	Jan 16: Schedule, Grading Scheme, Course Activities
Week 3	Jan 23: #DesignerMindset + #InteractionDesign Chapter
Week 4	Jan 30: Mental Wellbeing & Mental Health
Week 5	Feb 6: User Interviews
Week 6	Feb 13: Collective Intelligence, Crowdsourcing, & Human Computation
Feb 20: Reading Week	
Week 7	Feb 27: Learning & Education
Week 8	Mar 6: Usable Evidence in HCI (Behaviour Change)
Week 9	Mar 13: A/B Testing & Designing Randomized Experiments
Week 10	Mar 20: Statistics: Hypothesis Testing
Week 11	Mar 27: ML & HCI
Week 12	Apr 3: Technology Probes & Required Recap

**Recording**

The classes will be recorded on Zoom.

**Text Books**

There are no required textbooks for this course. Suggested texts and readings will be posted on the course website.

**On Academic Integrity:**

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Toronto is a strong signal of each student's

individual academic achievement. As a result, the University treats cases of cheating and plagiarism very seriously. The University of Toronto's Code of Behaviour on Academic Matters ([www.governingcouncil.utoronto.ca/policies/behaveac.htm](http://www.governingcouncil.utoronto.ca/policies/behaveac.htm)) outlines the behaviors that constitute academic dishonesty and the processes for addressing academic offenses. All assignments for this course are to be done individually.

**Accessibility Statement**

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability or health consideration that may require accommodations, please feel free to approach me and/or the Accessibility Services Office as soon as possible. The Accessibility Services staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations. The sooner you let them and me know your needs, the quicker we can assist you in achieving your learning goals in this course. (From [Accessibility Office, U of T](#))