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

Course Instructor:
Prof. Joseph Jay Williams
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
• Ananya Bhattacharjee ananya@cs.toronto.edu
• Amanda Leiva 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.

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