

# CSC318H1S 20231 (All Sections): The Design of Interactive Computational Media

[Jump to Today](#)  [Edit](#)

## Course Description

User-centered design results in robust solutions that successfully address real human problems. In this course, students will learn about methods and principles of user-centered design to explore a problem space and the people within that space, identify users' needs, system constraints and requirements, and ultimately design solutions that incorporate all those components. Designs will be iterated from initial concepts to really valuable solutions by gathering feedback and usability testing prototypes with users throughout the course. The course project will culminate with the development of a robust design that addresses the identified problem. Final project presentations will take place at the end of the course; this course has no final exam.

The delivery of this course will be different from standard lecture-based courses. Students will sit through a handful of lectures (on Tuesdays and Thursdays) and complete in-class activities to get hands-on experience with the content. This subset of lectures will prepare them for an intermediate group project milestone. Students will then work within their groups during the scheduled tutorial sessions (on Wednesdays) and outside of the course hours to complete a project report. Once the project milestone has been passed, the students will sit through another set of lectures, and the process will repeat.

## Learning Objectives

This course is designed to provide students with the foundations necessary for understanding and applying user-centered design to address real-world problems. The learning objectives are:

1. to practice research methods for understanding user needs and practices.
2. to interpret raw data and create design artifacts (e.g., personas, scenarios).
3. to brainstorm, sketch and design prototypes that solve real user problems.
4. to evaluate prototypes (one's and others') for usability, learnability, and usefulness.
5. to work in multidisciplinary design teams.

## Course Details

Course policies: [Course Policies \(https://q.utoronto.ca/courses/293550/pages/course-policies?wrap=1\)](https://q.utoronto.ca/courses/293550/pages/course-policies?wrap=1)

Grading scheme: [Grading Scheme \(https://q.utoronto.ca/courses/293550/pages/grading-scheme?wrap=1\)](https://q.utoronto.ca/courses/293550/pages/grading-scheme?wrap=1)

Studios: [Studio Divisions \(https://q.utoronto.ca/courses/293550/pages/studio-divisions?wrap=1\)](https://q.utoronto.ca/courses/293550/pages/studio-divisions?wrap=1)

[https://q.utoronto.ca/courses/293550/pages/grading-scheme?wrap=1\)](https://q.utoronto.ca/courses/293550/pages/grading-scheme?wrap=1)

## Zoom Links

Instructor office hours: <https://utoronto.zoom.us/my/mariakakis> 

[\(https://utoronto.zoom.us/my/mariakakis\)](https://utoronto.zoom.us/my/mariakakis)

## Office Hours






Monday 6:00–7:00 PM (BA 7266 or Zoom)





## Prerequisites

CSC300H1 provides useful background for work in CSC318H1, so if you plan to take CSC300H1 then you should do it before CSC318H1. No required background, but any of the following is an asset: graphic design and image manipulation; technical writing; research and literature review experience; mobile or web development; psychology or human cognition.






## Course Summary:

Date	Details	Due
Tue Jan 10, 2023	 <a href="#">L1: Design Thinking &amp; Course Introduction</a> <a href="https://q.utoronto.ca/calendar?event_id=611555&amp;include_contexts=course_293550">           (https://q.utoronto.ca/calendar?event_id=611555&amp;include_contexts=course_293550)         </a>	4pm to 6pm
Wed Jan 11, 2023	 <a href="#">L1: In-Class Activity</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000082">           (https://q.utoronto.ca/courses/293550/assignments/1000082)         </a>	due by 4pm
Thu Jan 12, 2023	 <a href="#">L2: Observations</a> <a href="https://q.utoronto.ca/calendar?event_id=611560&amp;include_contexts=course_293550">           (https://q.utoronto.ca/calendar?event_id=611560&amp;include_contexts=course_293550)         </a>	4pm to 6pm
	 <a href="#">L1 + L2 Quiz</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000072">           (https://q.utoronto.ca/courses/293550/assignments/1000072)         </a>	due by 4pm
Fri Jan 13, 2023	 <a href="#">L2: In-Class Activity</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000083">           (https://q.utoronto.ca/courses/293550/assignments/1000083)         </a>	due by 4pm
	 <a href="#">A0-INDIV: Short Bio</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000076">           (https://q.utoronto.ca/courses/293550/assignments/1000076)         </a>	due by 11:59pm
Tue Jan 17, 2023	 <a href="#">L3: Interviews</a> <a href="https://q.utoronto.ca/calendar?event_id=611557&amp;include_contexts=course_293550">           (https://q.utoronto.ca/calendar?event_id=611557&amp;include_contexts=course_293550)         </a>	4pm to 6pm
Wed Jan 18, 2023	 <a href="#">L3: In-Class Activity</a>	due by 4pm

Date	Details	Due
	<a href="https://q.utoronto.ca/courses/293550/assignments/1000084">(<a href="https://q.utoronto.ca/courses/293550/assignments/1000084">https://q.utoronto.ca/courses/293550/assignments/1000084</a>)</a>	
Thu Jan 19, 2023	 <a href="#">L4: Questionnaires</a> <a href="https://q.utoronto.ca/calendar?event_id=611561&amp;include_contexts=course_293550">(<a href="https://q.utoronto.ca/calendar?event_id=611561&amp;include_contexts=course_293550">https://q.utoronto.ca/calendar?event_id=611561&amp;include_contexts=course_293550</a>)</a>	4pm to 6pm
Fri Jan 20, 2023	 <a href="#">L3 + L4 Quiz</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000068">(<a href="https://q.utoronto.ca/courses/293550/assignments/1000068">https://q.utoronto.ca/courses/293550/assignments/1000068</a>)</a>	due by 4pm
	 <a href="#">L4: In-Class Activity</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000085">(<a href="https://q.utoronto.ca/courses/293550/assignments/1000085">https://q.utoronto.ca/courses/293550/assignments/1000085</a>)</a>	due by 4pm
Tue Jan 24, 2023	 <a href="#">L5: Job Stories &amp; Experience Maps</a> ( <a href="https://q.utoronto.ca/calendar?event_id=611547&amp;include_contexts=course_293550">https://q.utoronto.ca/calendar?event_id=611547&amp;include_contexts=course_293550</a> )	4pm to 6pm
Wed Jan 25, 2023	 <a href="#">L5: In-Class Activity</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000086">(<a href="https://q.utoronto.ca/courses/293550/assignments/1000086">https://q.utoronto.ca/courses/293550/assignments/1000086</a>)</a>	due by 4pm
Thu Jan 26, 2023	 <a href="#">L6: Group Projects and Presenting Findings</a> <a href="https://q.utoronto.ca/calendar?event_id=611548&amp;include_contexts=course_293550">(<a href="https://q.utoronto.ca/calendar?event_id=611548&amp;include_contexts=course_293550">https://q.utoronto.ca/calendar?event_id=611548&amp;include_contexts=course_293550</a>)</a>	4pm to 6pm
Fri Jan 27, 2023	 <a href="#">L5 + L6 Quiz</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000074">(<a href="https://q.utoronto.ca/courses/293550/assignments/1000074">https://q.utoronto.ca/courses/293550/assignments/1000074</a>)</a>	due by 4pm
	 <a href="#">A0-GROUP: Group Information</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000075">(<a href="https://q.utoronto.ca/courses/293550/assignments/1000075">https://q.utoronto.ca/courses/293550/assignments/1000075</a>)</a>	due by 11:59pm
Wed Feb 1, 2023	 <a href="#">S1a: Presentations on Formative Studies</a> <a href="https://q.utoronto.ca/calendar?event_id=611558&amp;include_contexts=course_293550">(<a href="https://q.utoronto.ca/calendar?event_id=611558&amp;include_contexts=course_293550">https://q.utoronto.ca/calendar?event_id=611558&amp;include_contexts=course_293550</a>)</a>	4pm to 6pm
	 <a href="#">S1a: Group Presentation</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000091">(<a href="https://q.utoronto.ca/courses/293550/assignments/1000091">https://q.utoronto.ca/courses/293550/assignments/1000091</a>)</a>	due by 4pm
Thu Feb 2, 2023	 <a href="#">S1a: Critique</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000090">(<a href="https://q.utoronto.ca/courses/293550/assignments/1000090">https://q.utoronto.ca/courses/293550/assignments/1000090</a>)</a>	due by 4pm
Wed Feb 8, 2023	 <a href="#">S1b: Open Session on Formative Studies</a>	4pm to 6pm

Date	Details	Due
	<a href="https://q.utoronto.ca/calendar?event_id=611559&amp;include_contexts=course_293550">           (https://q.utoronto.ca/calendar?event_id=611559&amp;include_contexts=course_293550)         </a>	
Mon Feb 13, 2023	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000067"> <b>A1: Anonymous Peer Review Form</b>            (https://q.utoronto.ca/courses/293550/assignments/1000067)         </a>	due by 11:59pm
	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000077"> <b>A1: Formative Studies</b>            (https://q.utoronto.ca/courses/293550/assignments/1000077)         </a>	due by 11:59pm
Tue Feb 14, 2023	 <a href="https://q.utoronto.ca/calendar?event_id=611562&amp;include_contexts=course_293550"> <b>L7: Brainstorm, Ideation, and Sketching User Experience</b>            (https://q.utoronto.ca/calendar?event_id=611562&amp;include_contexts=course_293550)         </a>	4pm to 6pm
Wed Feb 15, 2023	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000087"> <b>L7: In-Class Activity</b>            (https://q.utoronto.ca/courses/293550/assignments/1000087)         </a>	due by 4pm
Thu Feb 16, 2023	 <a href="https://q.utoronto.ca/calendar?event_id=611556&amp;include_contexts=course_293550"> <b>L8: Paper Prototyping and Think-Alouds</b>            (https://q.utoronto.ca/calendar?event_id=611556&amp;include_contexts=course_293550)         </a>	4pm to 6pm
Fri Feb 17, 2023	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000070"> <b>L7 + L8 Quiz</b>            (https://q.utoronto.ca/courses/293550/assignments/1000070)         </a>	due by 4pm
	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000088"> <b>L8: In-Class Activity</b>            (https://q.utoronto.ca/courses/293550/assignments/1000088)         </a>	due by 4pm
Wed Mar 1, 2023	 <a href="https://q.utoronto.ca/calendar?event_id=611554&amp;include_contexts=course_293550"> <b>S2a: Presentations on Design Concepts and Prototypes</b>            (https://q.utoronto.ca/calendar?event_id=611554&amp;include_contexts=course_293550)         </a>	4pm to 6pm
	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000093"> <b>S2a: Group Presentation</b>            (https://q.utoronto.ca/courses/293550/assignments/1000093)         </a>	due by 4pm
Thu Mar 2, 2023	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000092"> <b>S2a: Critique</b>            (https://q.utoronto.ca/courses/293550/assignments/1000092)         </a>	due by 4pm
Wed Mar 8, 2023	 <a href="#"> <b>S2a: Open Session on Design Concepts and Prototypes</b> </a>	4pm to 6pm

Date	Details	Due
	<a href="https://q.utoronto.ca/calendar?event_id=611549&amp;include_contexts=course_293550">           (https://q.utoronto.ca/calendar?event_id=611549&amp;include_contexts=course_293550)         </a>	
Mon Mar 13, 2023	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000066"> <b>A2: Anonymous Peer Review Form</b>            (https://q.utoronto.ca/courses/293550/assignments/1000066)         </a>	due by 11:59pm
	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000078"> <b>A2: Design Concepts and Prototypes</b>            (https://q.utoronto.ca/courses/293550/assignments/1000078)         </a>	due by 11:59pm
Tue Mar 14, 2023	 <a href="https://q.utoronto.ca/calendar?event_id=611553&amp;include_contexts=course_293550"> <b>L9: High-Fidelity Prototyping</b>            (https://q.utoronto.ca/calendar?event_id=611553&amp;include_contexts=course_293550)         </a>	4pm to 6pm
Wed Mar 15, 2023	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000089"> <b>L9: In-Class Activity</b>            (https://q.utoronto.ca/courses/293550/assignments/1000089)         </a>	due by 4pm
Thu Mar 16, 2023	 <a href="https://q.utoronto.ca/calendar?event_id=611546&amp;include_contexts=course_293550"> <b>L10: Usability Testing</b>            (https://q.utoronto.ca/calendar?event_id=611546&amp;include_contexts=course_293550)         </a>	4pm to 6pm
Fri Mar 17, 2023	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000081"> <b>L10: In-Class Activity</b>            (https://q.utoronto.ca/courses/293550/assignments/1000081)         </a>	due by 4pm
	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000071"> <b>L9 + L10 Quiz</b>            (https://q.utoronto.ca/courses/293550/assignments/1000071)         </a>	due by 4pm
Wed Mar 22, 2023	 <a href="https://q.utoronto.ca/calendar?event_id=611550&amp;include_contexts=course_293550"> <b>S3a: Presentations on High-Fidelity Prototype and Summative Evaluation</b>            (https://q.utoronto.ca/calendar?event_id=611550&amp;include_contexts=course_293550)         </a>	4pm to 6pm
	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000095"> <b>S3a: Group Presentation</b>            (https://q.utoronto.ca/courses/293550/assignments/1000095)         </a>	due by 4pm
Thu Mar 23, 2023	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000094"> <b>S3a: Critique</b>            (https://q.utoronto.ca/courses/293550/assignments/1000094)         </a>	due by 4pm
Wed Mar 29, 2023	 <a href="https://q.utoronto.ca/courses/293550/assignments/1000094"> <b>S3a: Open Session on High-Fidelity Prototype and Summative Evaluation</b>            (https://q.utoronto.ca/courses/293550/assignments/1000094)         </a>	4pm to 6pm

Date	Details	Due
Mon Apr 3, 2023	<p data-bbox="581 138 1203 205"><a href="https://q.utoronto.ca/calendar?event_id=611551&amp;include_contexts=course_293550">https://q.utoronto.ca/calendar?event_id=611551&amp;include_contexts=course_293550</a></p> <p data-bbox="581 268 1203 373"> <a href="https://q.utoronto.ca/courses/293550/assignments/1000069">A3: Anonymous Peer Review Form</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000069">https://q.utoronto.ca/courses/293550/assignments/1000069</a></p>	due by 11:59pm
	<p data-bbox="581 443 1203 548"> <a href="https://q.utoronto.ca/courses/293550/assignments/1000079">A3: High-Fidelity Prototype and Summative Evaluation</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000079">https://q.utoronto.ca/courses/293550/assignments/1000079</a></p>	due by 11:59pm
Wed Apr 5, 2023	<p data-bbox="581 617 1203 722"> <a href="https://q.utoronto.ca/calendar?event_id=611552&amp;include_contexts=course_293550">Final Presentations</a> <a href="https://q.utoronto.ca/calendar?event_id=611552&amp;include_contexts=course_293550">https://q.utoronto.ca/calendar?event_id=611552&amp;include_contexts=course_293550</a></p> <p data-bbox="581 785 1203 888"> <a href="https://q.utoronto.ca/courses/293550/assignments/1000073">A4: Anonymous Peer Review Form</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000073">https://q.utoronto.ca/courses/293550/assignments/1000073</a></p>	4pm to 6pm
	<p data-bbox="581 957 1203 1062"> <a href="https://q.utoronto.ca/courses/293550/assignments/1000080">A4: Presentation and Demo of High-Fidelity Prototype</a> <a href="https://q.utoronto.ca/courses/293550/assignments/1000080">https://q.utoronto.ca/courses/293550/assignments/1000080</a></p>	due by 4pm