

CSC318H1 S

The Design of Interactive Computational Media

Winter 2024 Syllabus

Course Meetings

CSC318H1 S

Section	Day & Time	Delivery Mode & Location
LEC0101	Tuesday, 3:00 PM - 5:00 PM	In Person: MP 103
	Thursday, 3:00 PM - 5:00 PM	In Person: MP 202
LEC2001	Tuesday, 3:00 PM - 5:00 PM	In Person: MP 103
	Thursday, 3:00 PM - 5:00 PM	In Person: MP 202

Refer to ACORN for the most up-to-date information about the location of the course meetings.

Lectures will only be held on certain weeks of the semester (Weeks 1–3, 6, and 9). The other weeks will be reserved for group project sessions held in tutorial rooms assigned at a later date. Details are provided on Quercus, and an explanation can be found in the L1 lecture slides.

Course Contacts

Course Website: <https://q.utoronto.ca/courses/337296>

Instructor: Alex Mariakakis

Email: alex.mariakakis@utoronto.ca

Office Hours and Location: Mondays 6-7pm

Course Overview

User-centred design of interactive systems; methodologies, principles, and metaphors; task analysis. Interdisciplinary design; the role of graphic design, industrial design, and the behavioural sciences. Interactive hardware and software; concepts from computer graphics. Typography, layout, colour, sound, video, gesture, and usability enhancements. Classes of interactive graphical media; direct manipulation systems, extensible systems, rapid prototyping tools. Students work on projects in interdisciplinary teams.

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Course Learning Outcomes

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.

Prerequisites: Any 0.5 credit in CSC/ [ESC180H1](#)/ [ESC190H1](#)/ [APS105H1](#)/ [APS106H1](#)

Corequisites: None

Exclusions: CSC318H5, CSCC10H3. 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: CSC300H1 provides useful background for work in CSC318H1, so if you plan to take CSC300H1 then you should do it before CSC318H1

Credit Value: 0.5

Course Materials

All materials are provided on Quercus (<https://q.utoronto.ca/courses/337296>). There is no assigned textbook, but there are assigned readings in .pdf form that should be read before each lecture.

Marking Scheme

Assessment	Percent	Details	Due Date
In-class activities	25%	In-class activities that are started during the lectures and meant to be completed 24 hours after.	2024-01-10,2024-01-17,2024-01-24,2024-01-12,2024-01-19,2024-01-26,2024-02-14,2024-02-16,2024-03-13,2024-03-15
Quizzes	4%	Short 10-minute quizzes to be completed after a week's worth of lectures.	2024-01-12,2024-01-19,2024-01-26,2024-02-16,2024-03-15
Studio critiques	10%	Feedback forms to be completed 24 hours after students' presentations.	2024-01-31,2024-02-28,2024-03-20
A0 group formation	1%	Logistical assignments to form project groups	2024-01-12,2024-01-19,2024-01-26

Assessment	Percent	Details	Due Date
Studio group presentations	10%	In-class presentations about group projects	2024-01-30,2024-02-27,2024-03-19
Project reports	50%	Group project reports (A1 = 15%, A2 = 15%, A3 = 15%, A4 = 5%)	2024-02-12,2024-03-04,2024-03-25,2024-04-04

Late Assessment Submissions Policy

All assignments should be submitted by the due date. On-time submissions are graded as normal. Late submissions will incur a penalty: Submissions < 24 hours late incur a 10% penalty. Submissions < 48 hours late incur a 30% penalty. Submissions more than 48 hours late earn 0%. In the event of illness, students should declare an absence using the Absence Declaration Tool in ACORN and notify the instructor to request special consideration.

Policies & Statements

Late/Missed Assignments

All assignments should be submitted by the due date. On-time submissions are graded as normal. Late submissions will incur a penalty:

- Submissions < 24 hours late incur a 10% penalty.
- Submissions < 48 hours late incur a 30% penalty.
- Submissions more than 48 hours late earn 0%.

In the event of illness, students should declare an absence using the [Absence Declaration Tool in ACORN](#) and notify the instructor to request special consideration.

Late/Missed Assignments

This item is listed here to remind you to include your late/missed assignment policy; if you have late penalties, you are required to publish them in your syllabus. Please see the [A&S Academic Handbook \(https://www.artsci.utoronto.ca/faculty-staff/teaching/academic-handbook\)](https://www.artsci.utoronto.ca/faculty-staff/teaching/academic-handbook) sections on missed term work (Section 4.7), late term work and extensions (section 4.8), and missed term tests (Section 5.3) for more information.

Students with Disabilities or Accommodation Requirements

Students with diverse learning styles and needs are welcome in this course. If you have an acute or ongoing disability issue or accommodation need, you should register with Accessibility Services (AS) at the beginning of the academic year by visiting <https://studentlife.utoronto.ca/departments/accessibility-services/>. Without registration, you will not be able to verify your situation with your instructors, and instructors will not be advised about your accommodation needs. AS will assess your situation, develop an accommodation plan with you, and support you in requesting accommodation for your course work. Remember that the

process of accommodation is private: AS will not share details of your needs or condition with any instructor, and your instructors will not reveal that you are registered with AS.

Academic Integrity

All suspected cases of academic dishonesty will be investigated following procedures outlined in the [Code of Behaviour on Academic Matters](https://governingcouncil.utoronto.ca/secretariat/policies/code-behaviour-academic-matters-july-1-2019) (<https://governingcouncil.utoronto.ca/secretariat/policies/code-behaviour-academic-matters-july-1-2019>). If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, please reach out to me. Note that you are expected to seek out additional information on academic integrity from me or from other institutional resources. For example, to learn more about how to cite and use source material appropriately and for other writing support, see the U of T writing support website at <http://www.writing.utoronto.ca>. Consult the Code of Behaviour on Academic Matters for a complete outline of the University's policy and expectations. For more information, please see [A&S Student Academic Integrity](https://www.artsci.utoronto.ca/current/academic-advising-and-support/student-academic-integrity) (<https://www.artsci.utoronto.ca/current/academic-advising-and-support/student-academic-integrity>) and the [University of Toronto Website on Academic Integrity](https://www.academicintegrity.utoronto.ca) (<https://www.academicintegrity.utoronto.ca>).