UNIVERSITY OF REGINA
DEPARTMENT OF COMPUTER SCIENCE

CS 738 – Human-Centred Computing Seminar
CS 739 – Human-Centred Computing Project
Spring/Summer 2025

Instructors:	May – June: Dr. Daryl Hepting (daryl.hepting@uregina.ca) (CW 308.22)
	July – August: Dr. Vanessa Figueiredo (vanessa.figueiredo@uregina.ca)
Format:	seminar / project
Lecture:	T 2:30 – 3:45 PM (ED 314) (May 6 – August 23)
Office Hours:	Th 2:30 – 3:45 PM

Calendar Descriptions

CS 738: Human-Centred Computing students will attend a professionally focused seminar series with topics including entrepreneurship, ethics, intellectual property, innovation, start-up culture, and EDI.

CS 739: A milestone-based project will be pursued, serving as a capstone for the Human-Centred Computing Stream. Final projects will be demonstrated and presented in a public venue.

Course Objectives
- To learn about topics relevant to professionals in the human-centred computing field
- To develop experience designing a significant human-centred project
- To develop experience implementing a significant human-centred interface project

CS 738 Evaluation Methods

Attend at least five of the six seminars:	Credit
Attend fewer than five of the seminars:	No Credit

CS 739 Evaluation Methods

Attendance	10%
AgileUX Cycle 0: Project Plan	10%
AgileUX Cycle 1: Personas & Sketches	10%
AgileUX Cycle 2 (dev track): MVP & Demo	20%
AgileUX Cycle 2 (design track): LeanUX docs, Sketches	10%
AgileUX Cycle 3 (dev track): Project & Demo	40%

Course Topics & Schedule

Week	Topic
1 (6 May 2025)	Lecture: AgileUX Review & Project Requirements
2 (13 May 2025)	Weekly Stand-Up Deliverable: AgileUX Cycle 0: Project Plan (due: 15 May 2025)
3 (20 May 2025)	Seminar 1: Hannah Tait
4 (27 May 2025)	Weekly Stand-Up Deliverable: AgileUX Cycle 1 (design track): Personas, Scenarios, & Sketches (due 29 May 2025)
5 (3 Jun 2025)	Seminar 2: Casey Veroba and Tegg Cross
6 (10 Jun 2025)	Weekly Stand-Up
7 (17 Jun 2025)	Seminar 3: Nilay Jha
8 (24 Jun 2025)	MVP Demos Deliverable: AgileUX Cycle 1 & 2 (dev track): MVP & Demo (due 26 Jun 2025)
9 (8 Jul 2025)	Seminar 4: Justin Swedberg
10 (15 Jul 2024)	Weekly Stand-Up Deliverable: AgileUX Cycle 2 (design track): LeanUX Documentation (due 17 Jul 2025)
11 (22 Jul 2025)	Seminar 5:
12 (29 Jul 2025)	Weekly Stand-Up
13	Seminar 6: David Akinmade

(5 Aug 2025)	
14 (12 Aug 2025)	Weekly Stand-Up Deliverable: <u>AgileUX Cycle 3 (dev track): Project & Demo</u> (due 14 Aug 2025)
15 (19 Aug 2025)	HCC Demo Day

Project

The purpose of the project is to give students an opportunity to showcase what they have learned in the pursuit of their Master of Science in Human-Centred Computing degree. The focus of the project may be a significant extension of a project undertaken in one of the Human-Centred Computing courses, an amalgamation and significant extension of projects from multiple courses, or an entirely new project. Since CS 739 is a six-credit course, there is an expectation that the project pursued is sufficiently complex to require three months of full-time design and development work.

The projects are to be pursued individually, although students may work in clusters where there is a clear need for different user interfaces for different user groups within the same domain. In such cases, common back-end code may be developed, and the cluster must be declared in the first milestone.

<u>Milestone 1: AgileUX Cycle 0: Project Plan (due Thursday 15 May 2025)</u>
The purpose of the Project Plan is to document the scope, environment, and high-level design of the project. This should include key features that will form the minimal viable product (MVP) as well as features that could be designed and implemented in future Agile UX cycles.

<u>Milestone 2: AgileUX Cycle 1 (design track): Personas, Scenarios, & Sketches (due Thursday 29 May 2025)</u>
The purpose of the Personas & Sketches is to capture the user and usability requirements for the MVP of the project. These will be documented in the form of personas, scenarios, user stories, and use cases. Hand-drawn low-fidelity sketches are to be developed and iterated upon, with the final sketches implemented as medium-fidelity prototypes in Figma.

<u>Milestone 3: AgileUX Cycle 1 & 2 (dev track): MVP & Demo (presentation/demo on Tuesday 24 Jun 2025; submission due on Thursday Jun 26 2025)</u>
A fully functioning MVP is to be implemented and demonstrated.

<u>Milestone 4: AgileUX Cycle 2 (design track): LeanUX Documentation (due Thursday 17 Jul 2025)</u>
With a focus on the user experience, the MVP and the future features specified in the Project Plan are to be considered in the creation of a set of LeanUX hypotheses. These hypotheses may focus on changes to the key features in the current MVP to address user experience issues that have become apparent, new features that would add to the user experience, or a combination

of refined and new features. From these hypotheses, new personas (if applicable), scenarios, and low-fidelity sketches and storyboards (if applicable) are to be developed. These should provide sufficient design documentation to support the next cycle on the dev track.

Milestone 5: AgileUX Cycle 3 (dev track): Project & Demo (submission due Thursday 14 Aug 2025; presentation/demo on Tuesday 19 Aug 2025)
A fully functioning MVP version 2 is to be implemented and demonstrated.

Generative AI Tools
The use of generative AI tools such as ChatGPT are not to be used for any work submitted for this course. Students are expected to be able to generate their own written content. Automated grammar checkers and other AI-based writing assistants are allowed. However, any tool that generates new writing (even if it is generated by a prompt written by a student) is not permitted to be used.

Academic Integrity
Academic integrity requires students be honest. Assignments and exams are to help students learn; grades show how fully this goal is attained. Thus, all work and grades should result from a student's own understanding and effort.

Acts of academic misconduct violate academic integrity, and are considered serious offences by the University. Examples include, but are not limited to, cheating on tests or exams, plagiarizing, copying from others, and submitting the work of others as your own. Instances of academic misconduct will be reported to the Associate Dean in the FGSR (Faculty of Graduate Studies and Research) for investigation. More details are provided on the FGSR website:

https://www.uregina.ca/gradstudies/current-students/academic-integrity/index.html

Accommodations
Students in this course who may have need for specialized accommodations, should contact the Centre for Student Accessibility (Riddell Centre 229, 585-4631), and must discuss their accommodation letter with their Instructor before any accommodations will be granted.

Grades
All grades will be assigned according to the Graduate Calendar: Grading System (https://www.uregina.ca/gradstudies/current-students/grad-calendar/grading-system.html):
      95-100: An exceptional performance.
      90-94: An outstanding performance.
      85-89: An excellent performance.
      80-84: A very good performance.
      75-79: A good or satisfactory performance.
      70-74: A minimally acceptable performance or marginal pass.
      0-69: An unacceptable or failing performance.