

CIS*4300 – Human Computer Interaction – 0.50 Credits – Undergraduate Fall 2022 – School of Computer Science – University of Guelph

Lectures:

Mon & Wed, 9:30am-10:20am, RICH 2529

Labs:

Fridays, 8:30am-10:20am, RICH 2529

Instructor:

David Flatla <dflatla@uoguelph.ca>

Office hours: send email to schedule

Teaching Assistants:

Sina Radpour <cis4300@socs.uoguelph.ca>

Wanda Li <cis4300@socs.uoguelph.ca>

Course Website: <https://courselink.uoguelph.ca/d2l/home/773195>

The course website will be used for all distributions and all submissions for this course.

Text: *Lean UX: Designing Great Products with Agile Teams* (3rd ed), Jeff Gothelf & Josh Seiden

This book is not available via the UofG Bookstore but can be obtained via Amazon:

<https://www.amazon.ca/Lean-UX-Creating-Great-Products/dp/1098116305/>

and electronically from the UoG Library:

<https://ebookcentral.proquest.com/lib/uoguelph/detail.action?docID=6685694>

Course Prerequisites: CIS*3110, (1 of CIS*3750, CIS*3760, ENGG*4450)

Course Calendar Description: This course examines the methods for user interface software design, including interface representations and testing. Topics which will be studied include the evaluation and design of sample application systems, impacts of computer-based information systems on individuals and organizations, implementation and testing tools, and planning of learning stages and design of assistance subsystems.

Hybrid Plan: My goal for CIS*4300 this semester is to have a consistent and predictable workload throughout the semester consisting of a group project with four equally spaced and equally weighted milestones, plus individual online weekly quizzes. There will be no midterm or final exam. Project due dates have automatic extensions. The lectures and labs will be in-person with synchronous Zoom calls and recordings available on CourseLink.

COURSE PLAN

The F22 offering of CIS*4300 will focus on Lean UX – a relatively new approach to User eXperience (UX) that is better aligned with Agile development methods than traditional UI Design and UX methods. Improved fit with Agile development is due to Lean UX's decreased focus on the production of artifacts and increased emphasis on rapidly testing assumptions and hypotheses. I am anticipating that this focus on Lean UX will help differentiate CIS*4300 from CIS*2170 (which I also currently teach), as CIS*2170 is focussed on the development of artifacts as used in more traditional development processes (e.g., waterfall).

CIS*4300 will have you develop a substantial group software project following the Lean UX approach. Monday and Wednesday lectures will be used to discuss the Lean UX approach and supporting topics based on readings that you will read prior to class. Friday labs will be an opportunity for you to work with your groups on your software project with support from me. I will try to keep hybrid an option as much as possible, but some labs may need to be in-person.

Your project will be to *Build a Better (Student) Zoom*. It is up to each group to define what 'Better' means by using Lean UX methods to identify assumptions, derive hypotheses from the assumptions, and test hypotheses with your classmates, then implement those hypotheses that have been validated with your user population. Your peers in (and out) of CIS*4300 will serve as your user population.

Your first step will be to find a group of 5-6 CIS*4300 peers. You will work together all semester. Our enrolment of ~98 gives 19 groups. In forming your groups, try to identify a mixture of people with different skillsets – you will need someone to serve as your team's 'manager' (or Product Owner), as well as a mixture of UX-minded folks and development-minded folks.

Please use this link to form your groups (names of people in class [05 Sep] in cols J-L):

https://docs.google.com/spreadsheets/d/1_j1a-1fTU-Kde8pPPk-BD3C0nc1C64_bKzZtwsJ8ySM/edit?usp=sharing

The University of Guelph's Academic Calendar suggests that students should spend 10-12 hours per week for every 0.50 credit course:

<https://guides.lib.uoguelph.ca/MasterTimeManagement/EstimateStudyTime>

Assuming you spend 6 hours on CIS*4300 lectures, labs, readings, and quizzes each week, this leaves 4-6 hours to work on the CIS*4300 project each week. As part of forming your groups, please find 1-3 times each week that you are all available (outside of scheduled class time) for 4-6 hours (total) and dedicate to meeting together during these times every week for project work.

The project deliverables will each be equal weight and are due on the following days:

- Milestone 1 (M1) - 11:59pm 30 September 2022 [21 days after first class]
- Milestone 2 (M2) - 11:59pm 21 October 2022 [21 days after M1 due date]
- Milestone 3 (M3) - 11:59pm 11 November 2022 [21 days after M2 due date]
- Milestone 4 (M4) - 11:59pm 02 December 2022 [21 days after M3 due date]

Each Milestone submission is worth 20% of your final grade for CIS*4300.

Each Thursday (15 September - 01 December 2022 inclusive), you will have a CourseLink quiz to complete individually. These will be worth 20% of your final grade for CIS*4300, will likely comprise multiple-choice and short answer, and are focussed exclusively on the textbook readings (according to the **Course Schedule** below).

Grading Scheme:

It is vital that all group members contribute to their respective projects. To help encourage this, as part of each Milestone submission I will separately gather each student's summary of their individual contribution to that Milestone. We will use these summaries to identify groups that might not be working optimally for further discussions.

The ideal approach will be to consistently contribute to your project and engage your team members (and take note of your individual contributions). It will be essential that your team is aware of your contributions, which will be a natural by-product of working closely together.

Regrading requests for submissions will result in a careful regrade of every aspect of the submission in question, with the potential for your grade to decrease, remain, or increase.

Late Policy:

11:59pm Friday is the regular deadline for the four project Milestones. To help accommodate any unexpected challenges, all Milestone submissions are hereby automatically granted a 24-hour extension, such that only submissions submitted after 11:59pm on the Saturday following the regular deadline will be graded late (receiving a grade of '0'). Please do not request this extension (it is automatic). Weekly quizzes will each have a 24-hour window to be completed.

When You Cannot Meet a Course Requirement:

As this course comprises one major group project with four milestones, it is difficult to provide individual accommodations due to illness or extenuating circumstances. That said, it might be

another weird and unpredictable semester. If you encounter difficulties completing your individual project work, first please discuss the implications for your project contributions with your group members (you do not need to disclose your individual circumstances). After consulting with your group, please reach out to me if you still have concerns.

In lieu of a formal process for accommodating missed quizzes due to illness or compassionate reasons, a global 'drop one' policy will be in effect for quizzes – the single lowest grade will not be counted in your final grade calculation. I strongly recommend saving these for emergencies rather than using them early in the semester and regretting it later.

Communication (i.e., How to get help...)

As per university regulations, all students are required to check their *uoguelph.ca* e-mail account regularly. E-mail is the official route of communication between the University and its students.

The best way to get help is to ask questions during lectures and labs. You can also email us at the email addresses provided above, but our response time is liable to be unpredictable.

In all email correspondence, state the course and topic in the subject line. All general Q&A should be directed to David. All clarifications on project and quiz grading should be directed to the TAs.

Other Notes:

- First lab is Friday, 09 September 2022. Final lab is 25 November 2022.
- Lectures will begin Monday, 12 September 2022.
- Thanksgiving break (no classes or labs) is 10-11 October 2022.
- Course ends Friday, 02 December 2022 (this is a make-up day for 10 October).
- There is no midterm exam & no final exam for this course.

Course Schedule:

Week	Monday	Wednesday	Thursday	Friday	Milestone Due
00	--	--	--	09 Sep	
01	12 Sep (Ch 01)	14 Sep (Ch 02)	Quiz01	16 Sep	
02	19 Sep (Ch 03)	21 Sep (Ch 04)	Quiz02	23 Sep	
03	26 Sep (Ch 05)	28 Sep (M1 Q&A)	Quiz03	30 Sep	M1: 11:59pm 30 Sep
04	03 Oct (Ch 06)	05 Oct (Ch 07)	Quiz04	07 Oct	
05	--	12 Oct (Ch 08)	Quiz05	14 Oct	
06	17 Oct (Ch 09)	19 Oct (M2 Q&A)	Quiz06	21 Oct	M2: 11:59pm 21 Oct
07	24 Oct (Ch 10)	26 Oct (Ch 11)	Quiz07	28 Oct	
08	31 Oct (Ch 12)	02 Nov (Ch 13)	Quiz08	04 Nov	
09	07 Nov (Ch 14)	09 Nov (M3 Q&A)	Quiz09	11 Nov	M3: 11:59pm 11 Nov
10	14 Nov (Ch 15)	16 Nov (Ch 16)	Quiz10	18 Nov	
11	21 Nov (Ch 17)	23 Nov (Ch 18)	Quiz11	25 Nov	
12	28 Nov (Ch 19)	30 Nov (M4 Q&A)	Quiz12	02 Dec	M4: 11:59pm 02 Dec

Drop Date:

Courses that are one semester long must be dropped by the end of the last day of classes. The regulations and procedures for dropping courses are available in the Undergraduate Calendar: <https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml>

Copies of out-of-class assignments: Keep reliable back-up copies of any work that you do in the course; you may be asked to resubmit your work at any time.

Accessibility: The University promotes the full participation of students who experience disabilities in their academic programs. To that end, the provision of academic accommodation is a shared responsibility between the University and the student.

When accommodations are needed, the student is required to first register with Student Accessibility Services (SAS). Documentation to substantiate the existence of a disability is required, however, interim accommodations may be possible while that process is underway.

Accommodations are available for both permanent and temporary disabilities. It should be noted that common illnesses such as a cold or the flu do not constitute a disability.

Use of the SAS Exam Centre requires students to make a booking at least 7 days in advance, and no later than November 1 (fall), March 1 (winter) or July 1 (summer). Similarly, new or changed accommodations for online quizzes, tests and exams must be approved at least a week ahead of time. More information is available at: <http://www.uoguelph.ca/sas>

Academic Misconduct: The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community – faculty, staff, and students – to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor. The Academic Misconduct Policy is detailed in the Undergraduate Calendar:

<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml>

Recording of Materials: Presentations which are made in relation to course work—including lectures—cannot be recorded or copied without the permission of the presenter, whether the instructor, a classmate or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

Resources: The Academic Calendars are the source of information about the University of Guelph's procedures, policies and regulations which apply to undergraduate, graduate and diploma programs: <http://www.uoguelph.ca/registrar/calendars/index.cfm?index>

Illness: Medical notes will not normally be required for singular instances of academic consideration, although students may be required to provide supporting documentation for multiple missed assessments or when involving a large part of a course (e.g., major assignment).

Disclaimer: Please note that the ongoing COVID-19 pandemic may necessitate a revision of the format of course offerings, changes in classroom protocols, and academic schedules. Any such changes will be announced via CourseLink and/or class email. This includes on-campus scheduling during the semester, mid-terms and final examination schedules. All University-wide decisions will be posted on the COVID-19 website (<https://news.uoguelph.ca/2019-novel-coronavirus-information/>) and circulated by email.

For information on current safety protocols, please follow these links: <https://news.uoguelph.ca/return-to-campus/how-u-of-g-is-preparing-for-your-safe-return/>
<https://news.uoguelph.ca/return-to-campus/spaces/#ClassroomSpaces>

Please note, these guidelines may be updated as required in response to evolving University, Public Health or government directives.