CIS*4300 – Human Computer Interaction – 0.50 Credits – Undergraduate
Fall 2023 – School of Computer Science – University of Guelph

Lectures:
 Mon & Wed, 12:30pm-1:20am, LA 204

Labs:
 Fridays, 2:30pm-4:20pm, MCKN 117

Instructor:
 Connor Geddes <*geddesc@uoguelph.ca*>
 Office hours: send email to schedule.

Teaching Assistants:
 Zayn, Claire, and Suraj
 <*cis4300@socs.uoguelph.ca*>

Texts:

1) *Lean UX: Designing Great Products with Agile Teams* (3rd ed), Jeff Gothelf & Josh Seiden
2) Interaction Design Beyond Human-Computer Interaction (5th ed), Helen Sharp, Yvonne Rogers, Jennifer Preece

Both books are available electronically from the UoG Library:
1) https://ebookcentral.proquest.com/lib/uoguelph/detail.action?docID=6685694
2) https://ebookcentral.proquest.com/lib/uoguelph/detail.action?docID=5746446

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.

COURSE 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, four Individual Accountability Reports (IAR) summarizing individual contributions to each milestone, plus individual online weekly quizzes. There will be no midterm or final exam. Milestone and Individual Accountability Report due dates have automatic extensions. The lectures will be hybrid with synchronous Zoom calls (will be posted on CourseLink), however, the labs will exclusively be done in-person.

The F23 offering of CIS*4300 will focus on learning core HCI concepts and LeanUX – a relatively new approach to User eXperience (UX) that is better aligned with Agile development methods than traditional UI Design and UX methods. CIS*4300 will have you develop a substantial group software project following the Lean UX approach. Monday's lectures will be focused on core HCI concepts, and Wednesday's lectures will cover the Lean UX approach. Friday labs will be an opportunity for you to work with your groups on your software project with support from me and the TAs.

Your project will be to *build a better (student) project management tool (e.g., Redmine, Asana)*. 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 ~100 gives 16-17 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. Note we will use a portion of the first lab (September 15th) to form groups.

The project deliverables will each be equal weight and are due on the following days:
- Milestone 1 (M1) - 11:59pm 29 September 2023
- Milestone 2 (M2) - 11:59pm 20 October 2023
- Milestone 3 (M3) - 11:59pm 10 November 2023
- Milestone 4 (M4) - 11:59pm 01 December 2023

Each Milestone submission is worth 19% of your final grade for CIS*4300.

The day after the milestone deadline each team-member will be required to submit an Individual Accountability Report (IAR) that will summarize what contributions you provided towards the completion of the milestone. The Individual Accountability Reports will each be worth 1%.

Each Thursday (21 September - 30 November 2023 inclusive), you will have a CourseLink quiz to complete individually. These will be worth 20% of your final grade for CIS*4300, will comprise of multiple-choice questions, and are focussed exclusively on the "Interaction Design Beyond Human-Computer Interaction" textbook covering the content in the chapter covered each week. Weekly quizzes will each have a 24-hour window to be completed.

Grading Scheme:
It is vital that all group members contribute to their respective projects. To help encourage this, the individual accountability reports are added to talk about your respective contributions, and to potentially indicate any concerns you are seeing within your group. 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:
To help accommodate any unexpected challenges, all Milestone and Individual Accountability Report submissions are hereby automatically granted a 24-hour extension. Submissions after 11:59pm on Saturday for Milestones and 11:59pm on Sunday for Individual Accountability Reports will be graded late (receiving a grade of '0'). Please do not request this extension (it is automatic).

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. 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 (CIS4300) and topic in the subject line. All general Q&A should be directed to Connor. All clarifications on project and quiz grading should be directed to the TAs.

Other Notes:
- First lab is Friday, 15 September 2023. Final lab is 24 November 2023
- Lectures will begin Monday, 11 September 2023.
- Thanksgiving break (no classes or labs) is 9-10 October 2023.
- Course ends Friday, 01 December 2023 (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	--		--	--	--	
01	11 Sep Sharp: Ch 1		13 Sep Gothelf: Ch 1 & 2	--	15 Sep Gothelf: Ch 3 and Group Formulation	
02	18 Sep Sharp: Ch 2		20 Sep Gothelf: Ch 4 & 5	Quiz01	22 Sep Review of Gothelf: Ch 4 & 5	
03	25 Sep Sharp: Ch 11.4 - 11.6		27 Sep Gothelf: Ch 7 & 8, and M1 Q&A	Quiz02	29 Sep Review of Gothelf: Ch 7 & 8	M1: 11:59pm 29 Sep IAR: 11:59pm 30 Sep
04	02 Oct Sharp: Ch 8.1-8.5		04 Oct Gothelf: Ch 9 & 10	Quiz03	06 Oct Review of Gothelf: Ch 9 & 10	
05	--		11 Oct Gothelf: Ch 11 & 12	Quiz04	13 Oct Review of Gothelf: Ch 11 & 12	
06	16 Oct Sharp: Ch 9		18 Oct Gothelf: Ch 13 and M2 Q&A	Quiz05	20 Oct	M2: 11:59pm 20 Oct

						IAR: 11:59pm 21 Oct
07	23 Oct Sharp: Ch 12		25 Oct Gothelf: Ch 14	Quiz 06	27 Oct	
08	30 Oct Sharp: Ch 13		01 Nov Gothelf: Ch 15	Quiz07	03 Nov	
09	06 Nov Sharp: Ch 14		08 Nov Gothelf: Ch 16 and M3 Q&A	Quiz08	10 Nov	M3: 11:59pm 10 Nov IAR: 11:59pm 11 Nov
10	13 Nov Sharp: Ch 15.1 - 15.3		15 Nov Milestone Work Period	Quiz09	17 Nov	
11	20 Nov Sharp: Ch 15.4 – 8.6		22 Nov Milestone Work Period	Quiz10	24 Nov	
12	27 Nov Sharp: Ch 16		29 Nov Milestone Work Period and M4 Q&A	Quiz11	01 Dec	M4: 11:59pm 01 Dec IAR: 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-campuses/how-u-of-g-is-preparing-for-your-safe-return/
https://news.uoguelph.ca/return-to-campuses/spaces/#ClassroomSpaces

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