

UNIVERSITY OF GUELPH
School of Computer Science
COURSE OUTLINE

Course Code: CIS*2170	Course Title: User Interface Design	Credit: 0.75	Date of Offering: Winter 2018
Instructor*: Dr. Rozita Dara		Office: Maclachlan Bldg, room 207	
		Email: drozita@uoguelph.ca	
		Office hour: Thursdays at 10am	
Teaching Assistant: Feng Liao	Teaching Assistant: John Harmer	Teaching Assistant: Manal Jazouli	
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Office hour: TBA	Office hour: TBA	Office hour: TBA	
Calendar Description: This course is a practical introduction to the area of user interface construction. Topics include user interface components and their application, best practices for user interface design, approaches to prototyping, and techniques for assessing interface suitability. Prerequisite(s): CIS1500 or CIS1200			
Class Schedule: T/Th, 8:30-9:50am Location: ROZH, Room 102			
Labs Schedule: <ul style="list-style-type: none">• Mon, 03:30-05:20PM, MINS, Room 017• Tue, 02:30- 04:20PM, MINS, Room 017• Thu, 02:30- 04:20PM, MINS, Room 017			
Recommended Textbook: User Interface Design and Evaluation, 1st Edition, (Authors: Stone, Jarrett, Woodroffe, & Minocha), Morgan Kaufmann, 2005. <ul style="list-style-type: none">• http://store.elsevier.com/User-Interface-Design-and-Evaluation/Debbie-Stone/isbn-9780120884360/ Reading materials will be provided weekly.			
Exam: April 10, 2018 Time: 11:30am-1:30pm Location: TBA			
Method of Evaluation: Project (Parts 1, 2, 3) <div>= 30%</div>			

Quizzes	= 24%
Labs	= 24%
Final exam	= 22%
Website: Check the CourseLink System for course information and resources: (https://courselink.uoguelph.ca/ using your University of Guelph Central Login Account username and password.)	

Course Learning Outcome

The course contributes to the development of the following skills:

- Teamwork: Participate in team activities to design, implement, and test user interfaces.
- Communication: Explain usability concepts, engage users, and communicate requirements, initial designs, and decision recommendations by developing technical reports.
- Problem solving: Design, implement, and test a user interface based on personas and requirements.
- Critical analysis: Analyze requirements, create personas, and plan usability testing when designing a user interface for software applications.

Learning outcomes of this course include:

- Evaluate the usability of a small size software application
- Apply user-centered design processes in the software development lifecycle
- Apply design principles and guidelines in the design of a user interface
- Create user interface prototypes using design processes
- Analyze users' needs, usability, and user experience goals
- Create personas based on user needs and goals
- Design user interfaces using software applications and paper prototyping
- Analyze human capabilities and constraints, usability objectives, and user experience goals

Important Dates

- **First day of class:** Tuesday, January 9, 2018
- **Last day of class:** Thursday, April 5, 2018
- **Winter break begins:** Monday, February 19, 2018
- **Final exam:** April 10, 2017, @11:30am-1:30pm

- **In-class quizzes** are scheduled on Thursdays starting the week of January 22:
 - Jan. 25, Feb. 1, Feb. 8, Feb. 15, Mar. 1, Mar. 8, Mar. 15, and Mar. 22
- **Project, Part 1** is due March 3, 2018
- **Project, Part 2** is due March 17, 2018
- **Project, Part 3** is due March 31, 2018

Tentative Course Schedule

Week	Topics Covered
1 - Week of January 8	Introduction Review of UI definitions and concepts
2 - Week of January 15	User Interface Design Processes Introduction to Usability
3 - Week of January 22	User Centered Design: concepts and processes
4 - Week of January 29	Design Principles
5 – Week of February 5	More on Design Principles Scenarios and Personas: concepts
6 – Week of February 12	Scenarios and Personas: Methodologies Introduction to prototyping
7 – Week of February 19	Reading week
8 – Week of February 26	Paper prototyping Low and High-fidelity Prototyping
9 – Week of March 5	Evaluation of User Interface: Usability testing
10 – Week of March 12	User Interface Design Patterns
11 – Week of March 19	The Psychologist's View of UX Design Design Accessibility
12 – Week of March 26	WebAIM: Visual Disabilities - Introduction Student Project Design Presentation
13 – Week of April 2	Student Project Design Presentation Review of Course Content

Class Rules

- In the absence of Academic Consideration (<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>), late assignments receive a grade of zero (i.e. hand it what you've got when its due). If written documentation of extenuating circumstances is provided, then marking criteria or relative weighting may be adjusted.
- There are 10 weekly labs starting the week of January 15th. No lab is scheduled during the reading week.
- The labs are graded. You must attend the lab sessions that you have been assigned.
- One and the lowest lab grade will be dropped in the calculation of your final grade.

- There are 8, in-class, quizzes starting January 22. No quizzes are scheduled during the reading week.
- You must pass the final exam to pass the course. If you do not pass the final exam, your grade will be your final exam grade.

Standard Policy Statements

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

When You Cannot Meet a Course Requirement When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course instructor (or designated person, such as a teaching assistant) in writing, with your name, id#, and e-mail contact. See the undergraduate calendar for information on regulations and procedures for Academic Consideration: <http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Drop Date The last date to drop one-semester courses, without academic penalty, is the 40th day of classes. For regulations and procedures for Dropping Courses, see the Undergraduate Calendar: <http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml>

Copies of out-of-class assignments Keep paper and/or other reliable back-up copies of all out-of-class assignments: you may be asked to resubmit work at any time.

Accessibility The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability or a short-term disability should contact the Students Accessibility Service as soon as possible.

For more information, contact SAS at 519-824-4120 ext. 56208 or email csd@uoguelph.ca or see the website: <http://www.uoguelph.ca/csd/>

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>

Other Policies

- For religious matters, please refer to: <https://www.uoguelph.ca/hreo/>
- The students are encouraged to participate in the faculty and course evaluation provided by the department.