

Syllabus / Course Outline

COMP 3008 – Human Computer Interaction - Winter 2021

School of Computer Science, Carleton University

Calendar Description

Fundamentals of the underlying theories, design principles, development and evaluation practices of human-computer interaction (HCI). Topics may include: theories of interaction, user interface frameworks, desktop, web, mobile, and immersive applications, usability inspection and testing methods, and qualitative and quantitative approaches to HCI research.

Prerequisite(s): one of [COMP 2404, SYSC 3010, SYSC 3110] and [COMP 2406 or SYSC 4504].

Instructors

This course will be co-taught by Prof. Chiasson and Prof. Biddle.

Prof. Sonia Chiasson

chiasson@scs.carleton.ca <https://carleton.ca/scs/people/sonia-chiasson/>

Weeks 1 – 6 (Jan 11 – Feb 24)

Virtual Office hours: appointments scheduled through cuLearn

Prof. Robert Biddle

RobertBiddle@cunet.carleton.ca <https://carleton.ca/scs/people/robert-biddle/>

Weeks 7 – 12 (Mar 1 – Apr 12)

Virtual Office hours: appointments scheduled through cuLearn

Teaching Assistants

- Eric Spero EricSpero@cmail.carleton.ca
- Daniela Napoli DanielaNapoli@cmail.carleton.ca
- Khadija Baig KhadijaBaig@cmail.carleton.ca
- Adrian Bolesnikov AdrianBolesnikov@cmail.carleton.ca
- Lin Kyi LinKyi@cmail.carleton.ca

Drop-In TA Office Hours

Every weekday there will be a hour with a TA available via Zoom to discuss your questions or concerns. Please see the schedule on CULearn.

Class Schedule

Class times: Monday and Wednesday 4:00 – 5:30pm

Dates: January 11 to April 12, 2021

Winter break: February 15 - 19, 2021. There are no classes or office hours this week.

Delivery mode

Course website: <https://culearn.carleton.ca>

The course will be delivered fully online using asynchronous and synchronous modes.

Class material will be available through:

1. [Asynchronous] Pre-recorded videos explaining key concepts (similar to class lectures); these will be available to watch on your own time.
2. [Synchronous] Live Review and Q&A sessions offered through Zoom, scheduled during the official class times.
3. [Asynchronous] Assigned readings from the textbook or material provided on cuLearn
4. [Asynchronous] Discussion forums on cuLearn

Resources

Textbook: Interaction Design: Beyond Human-Computer Interaction (5h edition) by Yvonne Rogers, Helen Sharp, and Jenny Preece. Wiley Publishing, 2019

The book is available from the Carleton University Bookstore, and from online retailers such as Amazon.

Other references: Additional material will be provided on cuLearn throughout the term

Assessment Plan

Assignments: The course will have 5 assignments. These must be done individually (no teamwork).

If you are unsure of the expectations regarding academic integrity (e.g., how to use and cite references, how much discussion of your work with others is appropriate), **ASK** your instructor beforehand. Sharing assignments or posting them online (e.g., to sites like Chegg, CourseHero, OneClass, etc.) is considered academic misconduct. You are never permitted to post, share, or upload course materials without explicit permission from your instructor. Academic integrity offences are reported to the office of the Dean of Science. Penalties for such offences can be found on the ODS webpage:

<https://science.carleton.ca/academic-integrity/>.

Penalties for violations of Carleton's Policy on Academic Integrity will normally be applied as follows:

- **First offence, first-year students (< 4.0 credits completed):** No credit for assessment(s) in question, or a final grade reduction of one full letter grade (e.g., A- becomes B-), whichever is a greater reduction
- **First offence (anyone else):** A grade of F in the course
- **Second offence (anyone):** A grade of F in the course and a one-term suspension from studies
- **Third offence:** Expulsion from the University

Note: While these are the standard penalties, more severe penalties may be applied when warranted.

Grading: Your final grade will be comprised your grades on **all 5 assignments**. Each assignment will be worth 20% of your final grade.

Assignments will be submitted through cuLearn.

96-hour Grace Period: In total, you will have a 96-hour grace period for late submission of assignments. These hours can be divided in whichever way you want across the 5 assignments. For example, you could: (i) submit one assignment 96 hours

late; (ii) submit 4 assignments 24 hours late, or (iii) divide the hours among the assignments however you want. You do not need to contact us to use the grace period.

Penalty for Late Assignments: Assignments handed in late beyond your 96-hour grace period will be penalized by a deduction of 10 marks (out of a possible 100) per 24-hour period, or part thereof (e.g., anything from 1 minute to 24 hours past the deadline still counts as one period)

Deadlines:

Assignment 1: **Wednesday February 3, 2021 at 11:59pm**

Assignment 2: **Friday February 26, 2021 at 11:59pm**

Assignment 3: **Friday March 12, 2021 at 11:59pm**

Assignment 4: **Wednesday March 31, 2021 at 11:59pm**

Assignment 5: **Wednesday April 14, 2021 at 11:59pm**

Content

A course schedule for the semester will be available on cuLearn.

Readings, videos, and other content will be provided on cuLearn weekly. Knowledge and a good understanding of the course content will be necessary to complete the assignments.

Attendance

You may study the course material on their own time. It is recommended that you attend the synchronous (Zoom) sessions, but attendance is not mandatory.

The synchronous (Zoom) sessions will be used to clarify concepts, go over examples, and answer questions from students. To encourage interaction and protect student privacy, the synchronous sessions will not be recorded.

We will also rely heavily on the asynchronous discussion forums on cuLearn to answer frequently asked questions, and to encourage discussion of class topics. You are encouraged to participate in the online discussions.

Intellectual Property

All lecture and course materials (including all PowerPoint presentations, course notes, handouts, and similar materials) are protected by copyright. The instructors are the exclusive owners of copyright and intellectual property of all course materials. You may take notes and make copies of course materials for your own educational use. You may not allow others to reproduce or distribute lecture notes and course materials publicly for commercial purposes without our express written consent.

Student Support Services

Carleton University offers programs and services that promote positive mental health and assist students with realizing their full potential. These student support services and resources are explained here: <https://carleton.ca/studentssupport/supporting-our-students/>

Undergraduate Academic Advisor

The Undergraduate Advisor for the School of Computer Science is available in Room 5302C HP; by telephone at 520-2600, ext. 4364; or by email at undergraduate_advisor@scs.carleton.ca.

The undergraduate advisor can assist with information about prerequisites and preclusions, course substitutions/equivalencies, understanding your academic audit and the remaining requirements for graduation. The undergraduate advisor will also refer students to appropriate resources such as the Science Student Success Centre, Learning Support Services and Writing Tutorial Services.

SCS Computer Laboratory

SCS students can access one of the designated labs for your course. The lab schedule can be found at: <https://carleton.ca/scs/tech-support/computer-laboratories/>. All SCS computer lab and technical support information can be found at: <https://carleton.ca/scs/technical-support/>. Technical support is available in room HP5161 Monday to Friday from 9:00 until 17:00 or by emailing support@scs.carleton.ca.

University Policies

For information about Carleton's academic year, including registration and withdrawal dates, see Carleton's Academic Calendar.

Pregnancy Obligation. Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit Equity Services.

Religious Obligation. Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit Equity Services.

Academic Accommodations for Students with Disabilities. If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or pmc@carleton.ca for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the beginning of the term. You must also contact the PMC no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with your instructor as soon as possible to ensure accommodation arrangements are made. For more details, visit the Paul Menton Centre website.

Survivors of Sexual Violence. As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: carleton.ca/sexual-violence-support

Accommodation for Student Activities. Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, see the policy.

Student Academic Integrity Policy. Every student should be familiar with the Carleton University student academic integrity policy. A student found in violation of academic integrity standards may be awarded penalties which range from a reprimand to receiving a grade of F in the course or even being expelled from the program or University. Examples of punishable offences include: plagiarism and unauthorized co-operation or collaboration. Information on this policy may be found [here](#).

Plagiarism. As defined by Senate, "plagiarism is presenting, whether intentional or not, the ideas, expression of ideas or work of others as one's own". Such reported offences will be reviewed by the office of the Dean of Science.

Unauthorized Co-operation or Collaboration. Senate policy states that "to ensure fairness and equity in assessment of term work, students shall not co-operate or collaborate in the completion

of an academic assignment, in whole or in part, when the instructor has indicated that the assignment is to be completed on an individual basis". Please refer to the course outline statement or the instructor concerning this issue.