

COMP 3008A: Human-Computer Interaction  
School of Computer Science  
Carleton University, Ottawa, Canada  
Course Outline Fall 2024

**Instructor:**

Elizabeth Stobert

*Email:* elizabeth.stobert@carleton.ca

*Office Location:* HP 5127

*Office Hours:* Available by appointment.

Maxwell Keleher

*Email:* TBD

*Office Location:* TBD

*Office Hours:* TBD

Dr. Stobert will be on leave following the fall break and the second half of the class will be taught by Mr. Keleher. Please address all course-related communication to **COMP3008\_F24@cunet.carleton.ca**

**Meetings:**

*Term:* Fall 2023

*Times:* 11:35 AM –12:55 PM Tuesdays and Thursdays, September 5 – December 5  
(No class on the week of October 21 for Fall break)

In-person meetings will be held *only* on Thursdays.

*Room:* Please check in Carleton Central

**Teaching Assistants:**

A list of teaching assistants and their contact/office hours information will be posted once the course starts.

**Course 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.

**Prerequisites:**

(COMP 2404 or SYSC 3010 or SYSC 3110) and (COMP 2406 or SYSC 4504).

## Course Resources:

The recommended reference text for the course is:

Sharp, Helen, Jennifer Preece, and Yvonne Rogers. *Interaction Design: Beyond Human-Computer Interaction*. 5th ed. Newark: Wiley, 2019.

You are not required to buy this text. A copy is available in the library, and two copies will be made available via the professor.

All other course resources will be posted or linked via Brightspace. Use your Carleton ID and password to log into <http://brightspace.carleton.ca>.

## Course Presentation:

The course will be delivered as a “flipped classroom”. Video recordings of lecture topics will be posted each week on Tuesday for students to watch in advance of the Thursday “workshop” classes. In-person meetings will be held *only* on Thursdays.

Lecture content will be posted online on Brightspace, in the form of readings and lecture videos.

Attendance at Thursday workshop classes is encouraged but not mandatory. These workshops will help students to solidify their knowledge, and synthesize their understanding of the topics in the context of hands-on activities. A small grade will be given for each Thursday workshop activity.

Note that this class is **not** being conducted online: There will be an in-person midterm conducted during the semester, and workshop activities will only happen in class.

## Assessment:

Assessment will be based on work including: assignments, tests, and a final exam.

There will be one formative in-class midterm (scheduled as below), covering material up until the end of the previous week (i.e. material from weeks 1–6 will be covered). The midterm and final will be closed-book tests, with no support materials allowed.

A summative final exam will be scheduled during the formal examination period.

One assignment will be due towards the end of the course (dates to be announced).

The final grade in the course will be calculated as follows:

**Workshop Activities:** 20%

**Midterm:** 20%

**Assignment:** 20%

**Final exam:** 40%

**Preliminary Course Schedule:**

Week	Date	Topic	Assessment
1	September 5	Introduction	
2	September 10 September 12	Design Concepts	Workshop
3	September 17 September 19	Expert Evaluations	Workshop
4	September 24 September 26	User Studies	Workshop
5	October 1 October 3	Data Analysis	Workshop
6	October 8 October 10	Usable Security	Workshop
7	October 15 October 17	Interaction Styles	Midterm
8	October 29 October 31	Interaction Design Process and Requirements	Workshop
9	November 5 November 7	Conceptualizing Interaction	Workshop
10	November 12 November 14	Prototyping	Workshop
11	November 19 November 21	Design Patterns	Workshop
12	November 26 November 28	Information visualization	Workshop
13	December 3 December 5	Course Review	

**Late Submission Policy:**

Late assignment submissions will be accepted with a penalty of 10% per day late. Properly justified extension requests will be granted, and the students should contact the instructor as early as possible with the extension request.

No make-up tests will be offered: if a term test is missed, the percentage for that test will be added onto the final exam.

**Departmental Resources:**

**Undergraduate Academic Advisors:** The Undergraduate Advisors for the School of Computer Science are available in Room 5302HP; or by email at [scs.ug.advisor@cunet.carleton.ca](mailto:scs.ug.advisor@cunet.carleton.ca). The undergraduate advisors can assist with information about prerequisites and preclusions, course substitutions/equivalencies,

understanding your academic audit and the remaining requirements for graduation. The undergraduate advisors will also refer students to appropriate resources such as the Science Student Success Centre, Learning Support Services and Writing Tutorial Services.

**SCS Computer Laboratory:** Students taking a COMP course can access the SCS computer labs. The lab schedule and location 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/tech-support/>. Technical support staff may be contacted in-person or virtually, see this page for details: <https://carleton.ca/scs/tech-support/contact-it-support/>.

### University Policies:

**Academic Accommodation** Carleton is committed to providing academic accessibility for all individuals. Please review the academic accommodation available to students here: <https://students.carleton.ca/course-outline>

### Academic Integrity

**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 sanctioned with penalties which range from a reprimand to receiving a grade of F in the course, or even being suspended or expelled from the University. Examples of punishable offences include plagiarism and unauthorized collaboration. Any such reported offences will be reviewed by the office of the Dean of Science. More information on this policy may be found on the ODS Academic Integrity page: <https://science.carleton.ca/students/academic-integrity/>

**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. Please note that content generated by an unauthorized A.I.-based tool *is* considered plagiarized material. More information and standard sanction guidelines can be found here: <https://science.carleton.ca/students/academic-integrity/>.

**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”.

**Use of LLMs:** The assessment activities in this course were designed to be completed by an individual working alone. Unless it is explicitly stated otherwise, the use of any will be considered academic misconduct. This includes, but is not limited to, chatbots (e.g., ChatGPT, Google Bard, Bing Chat), research assistants (e.g., Elicit), and image generators (e.g., Stable Diffusion, Dall-E), etc. An exception

to the above rule is made for automated grammar and punctuation checking tools (such as Grammarly).