

CS 3750 Syllabus

User Interface Design, RBA, 3 Credits
Summer 2026

Instructor Information

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General Course Information

Description

Describes the characteristics of interaction between humans and computers and demonstrates techniques for the evaluation of user-centered systems.

Beyond the Course Catalogue

This course introduces students to human centered computing. This mode of design puts the user first and “technology-for-its own sake” second. Students will be introduced to HCI concepts, design principles and techniques and will be expected to implement them in a variety of group assignments.

Course Learning Outcomes

Upon completion of this course, you should be able to:

- Read primary sources in HCI relevant to content area
- Discuss human-computer interaction concepts and techniques.
- Demonstrate that design is a systematic and evidence-based process by working on a semester-long project
- State the difference between User-Centered Design and other approaches to design
- Characterize the importance of users, activities and tasks to well-designed artifacts
- Prototype interfaces and functions
- Practice qualitative and quantitative methods for requirement discovery and usability evaluation
- Design technology that is easy to use, and useful

Required Course Materials

No textbook is required.

Grading Policy & Description of Graded Components :

Individual grade (50%): “Unless specifically identified as group work; participation and homework, etc. are to be completed alone.”

Attendance= 10%

Participation=20%

NOTE: if you are "voted off" your group because you are not being responsive or productive you automatically get 0% for participation

Homework =20%

Grades reflect points earned/total points possible

Team grade (50%)

Note that individual will lose points based on missing participation and homework assignments. The idea is that group members should only get the same grade if they contributed equally to the team effort.

- [Project Description/ Part 0](#): Project idea and overview (Homework grade)
- [Part 1](#): Project requirements 20%
- [Part 2](#): Design alternatives 15%
- [Part 3](#): Prototyping and Evaluation plan 15%

Grades reflect points earned/total points possible

WRITTEN SUBMISSIONS

Written work is an important part of many of the evaluation components. Students are expected to use best practices when submitting written work. This means clearly citing material that is not the students. A good guide can be found [here](#).

NO GEN-AI allowed for any of the written portions of Homework and Reports

The grade assignments will be as follow:

90% or > earns an A;

80%-89.999% earns a B;

70%-79.999% earns a C;

60%-69.999% earns a D;

59.999% or < earns an F

Note: Because I give students the opportunity to earn extra credit, I don't "curve" grades, and I don't "round up." There are opportunities to gain extra credit. See policy below.

NO Late participation or homework ACCEPTED:

All participation assignments are due as noted by the instructor (on Canvas).

All homework assignments are due as stated on the schedule or canvas.

USG Required Course Policies

Attendance and Participation are Required

Attendance and Class participation are required and account for 10% and 20% of the class grade respectively.

Attendance is taken each class day. Students are allowed a total of 3 unexcused class absences in the term (i.e., no impact to the attendance grade).

Absences due to illness (over the 3 unexcused absences) require a doctor's note.

If you miss class talk to the professor or your team members.

Academic Integrity

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review [Georgia Tech's Honor Code](#) and the student [Code of Conduct](#).

Any student suspected of cheating or plagiarism on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

Core IMPACTS

Not applicable

Additional Georgia Tech Required Policies

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, [contact the Office of Disability Services](#) (404-894-2563) as soon as possible to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

Student-Faculty Expectations Agreement

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. [The Student-Faculty Expectations](#) articulate some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

Extra Credit Opportunities

You are allowed to “**solidify**” your final grade by 2 percentage points (earn 80% instead of 78%).

SONA You can participate in studies with the Psychology Department ([SONA](#)). Three hours of experiments are equal to 1 grade point toward your final grade. **Grade points only come in whole integers. SONA CREDIT SUBMISSION:** When you have all the credit you want to use toward your class grade (or by Monday of DeadWeek)-- you will take a screenshot that shows your name and that you allocated the credit to 3750. You will then **upload it to Canvas to the Extra Credit Assignment.**

QPR training: Worth 2-hours

HCI Article Reflection: Students must discuss this option with the professor. Only Full CHI or CSCW papers count. The extra-credit hour allocation will be based on the paper. The submission will take the form of an annotated bibliography, and reflection (as discussed in class).

Use of Generative AI is NOT permitted in this class

Mobile Devices are only permitted to complete class assignments.

Campus Resources for Students

Undergraduate Student Academic Success Resources: [Success at Tech](#).

Academic Support: Academic Success and Advising (a unit in the Office of Undergraduate Education & Student Success) provides free support for your courses. Students can attend scheduled supplemental review (PLUS) sessions, stop by Drop-In Tutoring, or schedule a one-on-one appointment through Knack. To explore what options work best for you, please visit us online at success.gatech.edu/tutoring, email us at tutoring@gatech.edu, or come see us at Clough Undergraduate Learning Commons, Suite 283.

Student Well-Being:

At Georgia Tech, we are concerned about your overall physical, social, and mental well-being. A [comprehensive list](#) of wellness related resources has been compiled and maintained by the Office of the Vice President for Student Engagement and Well-being ([student-resource-guide \(gatech.edu\)](#))