



CSCE 3220: Human Computer Interaction

Instructor: Dr. Jonathon Doran, Jonathon.Doran@unt.edu

Office: Hall Park 126

Office Hours: M,T,R 4:30pm-5:30pm or by appointment. In CHEC room 148.

Overview

The topics covered in this course include methods for designing, prototyping, and evaluating user interfaces for computing applications. Human capabilities, interface technology, interface design methods, and interface evaluation tools and techniques.

Objectives

1. Students should be able to demonstrate knowledge of the different phases of the interface design process. (i.e., what each phase does, as well as demonstrate that they can do that particular process.)
2. Students should be able to perform the different phases of the interface design process.
3. Students should be able to demonstrate knowledge of user modeling and show how these models affect the design of an interface.
4. Students should be able to use the different user modeling techniques to improve the usability of a particular user interface.
5. Students should be able to demonstrate that they can design and develop a computer-user interface.
6. Students should be able to know the different types of interface evaluations.
7. Students should be able to perform different types of evaluations of interfaces.

Textbook

Recommended: Don't Make Me Think!, Revisited (14th Ed) by Krug

Recommended: 100 Things Every Designer Needs to Know (11th Ed) by Weinschenk

Prerequisites

CSCE 2100 (Foundations of Computing)

CSCE 2110 (Foundations of Data Structures)

Grade Calculation

Quizzes (Unannounced, lowest score dropped)	30%
Group Project (Scaled by Peer Evaluation, Measured in part by Repository)	40%
Individual Assignments (either out-of-class, or in-class)	30%
Total	100%

Letter grades will be determined as follows:

A \geq 90%, B \geq 80%, C \geq 70%, D \geq 60%, F < 60%

I reserve the right to lower the threshold for letter grades (in your favor) to avoid having students on grade boundaries.

If you believe that there is a mistake in the grading of one of your assignments, you must bring these inquiries to me within one week of when the assignment is returned. After this period, it is too late with the exception of an arithmetic error in calculating the score.

Policies

Late Assignments

Late assignments are accepted at the rate of -20% credit for each day late unless accompanied by a university approved medical excuse. Missed quizzes cannot be made up unless you have a university approved medical excuse

Attendance

Attendance is important, but not required. From time to time things come up, and you do not need to inform me in general. You will miss credit for activities that took place during classes that you were absent (such as quizzes). If you need to be absent because of a job interview, illness, or other significant personal issue, please let me know beforehand via email so we can determine if it should be an excused absence. If you cannot attend a class, please be sure to get materials from a classmate.

Project Participation

Each person on the team needs to participate in the implementation of the project, as well as the written/verbal artifacts. Failure to do so will result in a **ZERO** for the affected deliverable. I will check your repository (in particular the master branch). It is your responsibility to make sure that your work is properly submitted under your own ID. The master branch in the repository is the final authority on who has done what during the semester. If you feel that the repository is in error, you must contact me immediately. After one week, no appeals will be processed. That is more than enough time for you to check to see that you have properly turned in your work.

It is not an acceptable excuse to say that your team did not give you enough work, because I expect you to speak up and volunteer if you are not contributing your fair share! If you have a problem that you are not able to work out with your team, please contact me to mediate prior to project submission (and as early as possible).

Other Policies

Americans with Disabilities Act Statement: The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Accommodation (ODA) to verify

their eligibility. If a disability is verified, the ODA will provide you with a reasonable accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time, however, ODA notices of reasonable accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the Office of Disability Accommodation website at: <http://www.unt.edu/oda>. You may also contact them by phone at 940.565.4323.

Academic Misconduct: Academic Integrity is defined in the UNT Policy on Student Standards for Academic Integrity. Any suspected case of Academic Dishonesty will be handled in accordance with the University Policy and procedures. Possible academic penalties range from a verbal or written admonition to a grade of “F” in the course. Further sanctions may apply to incidents involving major violations. You will find the policy and procedures at: <http://facultysuccess.unt.edu/academicintegrity>.

Acceptable Student Behavior: Student behavior that interferes with an instructor’s ability to conduct a class or other students’ opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Center for Student Rights and Responsibilities to consider whether the student’s conduct violated the Code of Student Conduct. The university’s expectations for student conduct apply to all instructional forums, including university and electronic classroom, labs, discussion groups, field trips, etc. The Code of Student Conduct can be found at: <https://deanofstudents.unt.edu/conduct>.

Sexual Discrimination, Harassment & Assault: UNT is committed to providing an environment free of all forms of discrimination and sexual harassment, including sexual assault, domestic violence, dating violence, and stalking. If you (or someone you know) has experienced or experiences any of these acts of aggression, please know that you are not alone. The federal Title IX law makes it clear that violence and harassment based on sex and gender are Civil Rights offenses. UNT has staff members trained to support you in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, helping with legal protective orders, and more. UNT’s Dean of Students’ website offers a range of on-campus and off-campus resources to help support survivors, depending on their needs http://deanofstudents.unt.edu/resources_0 The UNT Survivor Advocate can be reached by emailing SurvivorAdvocate@unt.edu or calling 940-565-2648. You are not alone. We are here to help.

Emergency Notification & Procedures: UNT uses a system called Eagle Alert to quickly notify you with critical information in an event of emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). The system sends voice messages (and text messages upon permission) to the phones of all active faculty staff, and students. Please make certain to update your phone numbers at www.my.unt.edu. Some helpful emergency preparedness actions include: 1) ensuring you know the evacuation routes and severe weather shelter areas, determining how you will contact family and friends if phones are temporarily unavailable, and identifying where you will go if you need to evacuate suddenly. In the event of a university closure, your instructor will communicate with you through Canvas regarding assignments, exams, field trips, and other items that may be impacted by the closure.

Syllabus Revisions

This syllabus may be modified as the course progresses should I deem it necessary. Notice of changes to the syllabus shall be made through Canvas and/or class announcement.

Tentative Class Schedule (subject to change)

Date	Topic	Due
1/14	Introduction	
1/21	Contextual Inquiry and Analysis	Project Proposals
1/28	Design Requirements and Modeling	
2/4	Modelling Continued	
2/11	Prototyping	Conceptual and Intermediate Design
2/18	Design Principles	
2/25	Cognitive Walkthrough	Detailed Design
3/3	Color, Text, Icons	UX Current Event
3/10		
3/17	Heuristic Evaluation	Heuristic Evaluation
3/24	Usability Testing	Usability Evaluation Plan and Functional Prototype
3/31	Project Time	
4/7	Project Time	Summarize UseIT article
4/14	Internationalization, Localization	Test Data and Analysis
4/21	Project Time	Minor 5
4/28	Project Time	Minor 6