

Department of Computer Science and Engineering
College of Engineering, University of Nevada, Reno

Fall 2006

CS 791m Topics on Human-Computer Interaction

Lectures: MW, 2:30 – 3:45 pm, WRB 2023

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Office hours: T 2:00 – 3:00 pm and W 5:30 – 6:30 pm, or by appointment or chance

Course outline: This course examines topics related to designing computer systems that support people carry on their activities effectively and safely. Topics covered include usability principles, conceptual models, interface metaphors, interaction paradigms and styles, task description, task analysis, collaborative technologies design, interaction design processes, interface construction and prototyping, evaluation techniques and frameworks, user testing, and input-output devices.

Pre-requisites: Instructor's approval

Texts:

- Required textbook: Jennifer Preece, Yvonne Rogers, and Helen Sharp, *Interaction Design: Beyond Human-Computer Interaction*, Wiley & Sons, 2002.
- Recommended textbook: Ben Shneiderman and Catherine Plaisant, *Designing the User Interface: Strategies for Effective Human-Computer Interaction*, 4th edition, Addison-Wesley, 2004.
- Additional material as indicated later by the instructor. In particular, the list of books for the assigned reading presentation will be made available during the first week of the semester.

Initial www pointers:

- Required textbook's website (Preece et al's *Interaction Design*): <http://www.id-book.com/>
- Recommended textbook's website (Shneiderman and Plaisant's *Designing the User Interface*): http://wps.aw.com/aw_shneider_dtui_4/
- Gary Perلمان's HCI bibliography: <http://hcibib.org/>

Grading scheme CS791m (subject to modifications):

• Assignments	20%
• Presentations	15%
• Midterm test	18%
• Project and Paper	40%
• Class participation	7%

Notes on grading:

- Passing conditions (all must be met):
 - 50% overall &
 - 50% in test &
 - 50% in project and paper &
 - 50% in assignments, presentations, and class participation
- For grade A: at least 90% overall, at least 90% in class participation, and at least 60% in test
- There are no make-up tests or homework in this course

Grading scale:

A	90 -100	[maximum 100]
A-	87 - 89	
B+	83 - 86	
B	78 - 82	
B-	75 - 77	
C+	71 - 74	
C	66 - 70	
C-	63 - 65	
D+	60 - 62	
D	55 - 59	
D-	50 - 54	
F	< 50	

Late submissions:

Late submissions of assigned work will be penalized with a deduction of 10% of the grade per late day, to a maximum of two late days for each submission. No material will be accepted after two days past the deadline. For example, an assignment that is worth 90/100 points will receive $90 \times 0.9 = 81/100$ points if it is one day late, $90 \times 0.8 = 72/100$ points if it is two days late, and will not be accepted if it is more than two days late. Note that late days are not divisible in subunits. Late days are not allowed for presentations and test.

On plagiarism and cheating:

Plagiarism and cheating will not be tolerated. It will be dealt with according to the policies of the University of Nevada, Reno regarding academic dishonesty. Please read these policies at www.unr.edu/stsv/acdispol.html

Legal notices on the world-wide web:

When accessing www resources such as downloadable software, technical reports, papers, on-line tutorials, etc., do not forget to read their accompanying legal notices and comply with their provisions.

Disability Statement:

If you have a disability for which you will need to request accommodations, please contact me or someone at the Disability Resource Center (Thompson Student Services - 107), as soon as possible.

Tentative schedule

Week	Dates (M, W)	Contents
1	Aug 28, 30	Lectures Students' introduction, A#1 given (papers)
2	Sep -, 6	Lecture Presentations draw
3	Sep 11, 13	Lectures A#1 due, A#2 given (tools), Selection additional text
4	Sep 18, 20	Presentations by students (round #1 - textbook) PP- I given
5	Sep 25, 27	Presentations by students (round #1) A#2 due, A#3 given (additional reading)
6	Oct 2, 4	Presentations by students (round #1)
7	Oct 9, 11	Lectures
8	Oct 16, 18	PP-I due, PP-II given Presentations by students (round #2 – project/paper)
9	Oct 23, 25	Presentations by students (round #2)
10	Oct 30, Nov 1	Presentations by students (round #2), Lectures
11	Nov 6, 8	Lectures
12	Nov 13, 15	Lecture, Midterm (11/15)
13	Nov 20, 22	A#3 due, Presentations by students (round #3- additional reading)
14	Nov 27, 29	Presentations by students (round #3)
15	Dec 4, 6	Presentations by students (round #3)
16	Dec 11, 13	Project demo, PP-II due