

**CS 5317 Human Computer Interaction
Fall 2009**

Course Calendar

Week 1

August 24 Paradigms for Interaction
Read: Ch. 4

August 26 Socio-organizational issues and stakeholder requirements
Read: Ch. 13

Week 2

August 31 Models of interaction
Read: Ch. 3

September 2 Task Analysis
Read: Ch. 15
Do: Hierarchical task analysis (HTA)

Week 3

September 7 Labor Day (no class)

September 9 Design
Read: Ch. 5
Due: Project assignment 1: Task analysis
Do: Design exercise
Discuss: Relationship between modality and human interaction capabilities

Week 4

September 14 Iterative design and prototyping
Read: Ch. 6.4
Do: Read "PICTIVE" paper in class
Do: PICTIVE example

September 16 Evaluation: Heuristic Evaluation
Read: Ch. 9.1-9.3, heuristic evaluation handout
Do: In-class heuristic evaluation

Week 5

September 21 Cognitive Models

Read: Ch 12

Do: Cognitive-model exercise

Do: Demos

Due: Project Assignment 2: Prototype version 1

September 23 Cognitive walkthrough

Read: Cognitive-walkthrough hand-out

Week 6

September 28 Midterm 1

September 30 The human

Do: Review midterm

Do: Heuristic evaluation session

Week 7

October 5 The machine interactor

Read: Ch. 2

October 7 Design rules

Read: Ch. 7

Due: Project Assignment 3: Analytical Evaluation

Do: Design exercise

Week 8

October 12 Universal design

Read: Ch. 10

Do: Lecture: Human error

October 14 Writing a research paper

Due: Draft topic for research paper

Do: Discuss research paper topics

Week 9

October 19 Metaphor

Read: Introduction

Due: Project assignment 4: Prototype version 2

Demo: Prototype 2

Do: Metaphor exercise

October 21 Empirical methods
Read: Ch 9.4 - 9.6
Do: Example usability test and analysis (1)

Week 10

October 26 Example usability test and analysis (2)

October 28 Help and Documentation
Read: Handout (Novick, Andrade & Bean, 2009; Andrade, Bean & Novick, 2009)

Week 11

November 2 Usability over time
Read: Handout (Mendoza & Novick, 2005)
Due: Project assignment 5: Usability tests of own prototype
Do: Discuss results of usability tests

November 4 Participatory design
Read: handout
Do: Critiques of and suggestions for PD in our projects

Week 12

November 9 Writing a research paper (2)
Due: Claim and outline
Do: Discuss research paper claims and outlines

November 11 Groupware
Read: Ch 19
Due: Project assignment 6: Usability tests of other's prototype
Do: Discuss results of usability tests

Week 13

November 16 Review for midterm
Do: Read and discuss example of research paper

November 18 Midterm 2

Week 14

November 23 Communication and collaboration models
Read: Ch. 14
Do: Review Midterm 2

November 25 How to give a talk
Lecture: How to give a talk
Do: Work on research paper topics

Week 15

November 30 Envisioning
Lecture: Futures workshops
Do: Mini-workshop on the future of interfaces

December 1 Demo day
Due: Project Assignment 7: Prototype Version 3
Do: Demos

Final exam (Wednesday, December 9, 4:00 – 6:45 p.m.): Research presentations

DGN 11-25-09