INLS 418 Human Factors in System Design

Spring, 2018

Class Time and Location

Thursday
6:00 pm to 8:45 pm
Manning 208

Instructor

David Clarke, PhD
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Course Objectives

Introduce human factors issues that influence the design, implementation, and evaluation of interfaces for computer systems. Practice principles and methods introduced in lecture and discussion through application to design problems.

Reading Assignments

There is no textbook for this course. Reading assignments are research articles posted iJan Sakai. All students are responsible for reading all the articles in Sakai. The midterm exam and final exam will contain questions based on the articles and/or lectures.

Reading Assignments Presentations

Every student should be prepared to present that week's articles to their group and to the class. At the beginning of each class, each group will discuss the articles within their group. Afterwards, I will assign an article to a student. The student will present the article to the class. The presentations should follow the guidelines I provide during the first class. Presentations will be graded from 0 to 100%. Missed presentations earn a 0.

Presentations on Student-Selected Topics

All students will give two presentations to the class. The student may choose the presentation topics but should confirm the choices with me before preparing the presentation.

For all presentations, the style will be PechaKucha. Presentations will be graded from 0 to 100%. Missed presentations earn a 0.

Projects

There are THREE projects. We will discuss each project during class. You will make presentations summarizing your project at the end of the semester

Midterm Exam

The final exam will cover all lectures, articles, presentations, and projects during the 1st half of the semester. The exam will be on March 8.

Final Exam

The final exam will cover all lectures, articles, presentations, and projects during the 2nd half of the semester. The exam date is **May 1 (Tuesday, 7pm).**

Grading

Reading Presentations: 10%
Student Topic Presentations: 10%
Discussions and Class Assignments: 10%
Projects: 40%
Midterm Exam: 15%
Final Exam: 15%

Undergraduate	
Grade	%
A	97-100
A-	90-96
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
F	0-62

Graduate	
Grade	%
H	95-100
P	80-94
L	70-79
F	0-69

Schedule

Date	Readings & Lecture Topic	Assignment Due
11-Jan	Introduction to HF	None
18-Jan	NO CLASS	----------
25-Jan	Vision	Student Topics and Presentation Dates
1-Feb	Visual Displays	Student Research Part 1; Folk Labels Part 1
8-Feb	Audition	Gestures Part 1
15-Feb	Auditory Displays	None
22-Feb	Attention	Folk Labels Part 2
1-Mar	Memory	Student Research Part 2
8-Mar	Midterm + Decision Making P1	Gestures Part 2
15-Mar	NO CLASS (Spring Break)	----------
22-Mar	Decision Making P2	Folk Labels Part 3
29-Mar	Errors	Gestures Part 3
5-Apr	Motor	Student Research Part 3
12-Apr	Automation	Gestures Part 4
19-Apr	Affect	Folk Labels Part 4
26-Apr	Project Presentations	Student Research Part 4
1-May	Final Exam (TUESDAY, 7PM)	