

CS6323 Human Factors and QA6722 Human Factors and Quality Assurance

Project and Assignments--Proposal
26 September 2000
Richard Halstead-Nussloch

Five Assignments and Two Exams

Assignments

What is Human Factors? (Complete, 10%)
Physical Ergonomics Assessment (24 October, 15%)
Human Factors and Usability in User Interface Design (21 November, 15%)
Final Project Pre-Proposal (17 October, 5%)
Final Project (12 December, 15%)
 CS--Human Factors/Usability Focus on UI Prototype/Implementation (Web)
 QA--Quality Assurance Focus on Human Factors Assessment in Industry

Exams

Midterm (17 October, 10%)
Final (12 December, 10%) Students Contribute Questions

Don't forget--Class contribution is worth 20% of your grade

Contributing Exam Questions--Thinking Critically about What You Read

We will collect these questions as we work. Any class participant can nominate a question, which then opens discussion for its inclusion of critical thinking. An example question might be:

"Are Halstead-Nussloch's three design strategies when dealing with human capabilities that are statistically distributed related to Ostrom's three key principles of ergonomics? If so, how. If not, why not?"

Physical Ergonomics Assessment (24 October, 15%)

26 September -
 Introduction

3 October -

Bid for Posture, Activities, or Environment Assessment in the office. The office can be your office, another colleague's office, my office, etc.

10 October -

Perform

17 October -

Develop Report

24 October -

Due

Your Notes:

Human Factors and Usability in User Interface Design (21 November, 15%)

24 October -

Requirements Definition (carry over from Physical Ergonomics Assessment)

31 October -

User Analysis

7 November -

Task Analysis and UI & Workflow Design

14 November -

Design and Prototype

21 November -

Due

Your Notes:

Final Project Pre-Proposal (17 October, 5%) and Final Project (12 December, 15%)

Team effort. Take a look at the web site. Stay tuned and contributing in class.
CS--Web site that prototypes our Office Ergonomics Guide or Implements prior term work. QA--An ergonomics assessment in the industrial environment.

Your Notes: