Examination  
ENGR3220 Human Factors and Interface Design  
Fall 2009

You may take this exam at a time and place of your convenience. However, you should treat this exam as a (self-administered) in-class examination rather than a take-home; it is intended to be completed in single sitting lasting approximately 2 hours. You may give yourself additional time, within reason, to complete the work, but you should not take the exam over several sessions or use more than double the allotted time.

This exam is to be taken closed book. You should not consult any books, notes, classmates, electronic or other resources in completing the exam except as explicitly noted. Other than the instructor, you should not discuss this exam with anyone until Tuesday November 24.

You may complete this exam electronically (e.g. as a word document or pdf) or by hand on paper. Because it contains some images, it may be helpful to (be able to) view it online or to have relatively high resolution color printouts of those pages. If you work on paper, please use a dark pen or some other method that will scan/copy legibly.

Please put your name on every page of this exam and (if applicable) on any additional pages that you wish to turn in. Please also number any additional pages and indicate that you have done so in the appropriate place at the end of this exam.

If there is something unclear about the exam, you may try to contact me. I can often be reached between 7:30am weekdays/9:30 am weekends and 10:30pm by some means, including email, IM, or a phone call. If you cannot reach me, simply make a reasonable assumption and document that assumption in writing on your exam. Also note that I may be difficult to reach between mid-Wednesday and late Friday.

After you have completed the exam, please copy the following statement onto the final page, filling in the appropriate times and dates, and sign your name:

I began this exam at <fill in time and date> and completed it at <fill in time and date>. I have neither given nor received unauthorized assistance during the completion of this work. I agree not to discuss this exam in any way until Tuesday November 24.

If you cannot write out this phrase and sign your name to it, please explain. ¹

Your exam should be turned by emailing it to las by the end of Monday, November 23. If you complete the exam on paper, you should email it using the handy dandy scan-to-email features of the Olin copiers or similar means; in this case, please arrange to leave your original exam with (or mail it to) Holly Bennett in OC361.

¹ This text courtesy of Professor Sarah Spence Adams.

Instructions, Page 1 of 2
Instructions:

Concise, accurate answers are better than long semi-accurate answers. The amount of space provided is meant to act as a guideline for the length of your answer. Note that these boxes are intended for handwritten answers; typed answers should be shorter!

I recommend that you quickly look through all the questions first and then begin answering them. Some questions are worth more points than others, so budget your time accordingly. There are 6 questions worth 100 points total. Partial credit will be awarded.

PLEASE INDICATE THE TIME AND DATE AT WHICH YOU BEGIN THIS EXAM:

Questions:

1. [25 Points] Design Principles

Provide a definition of each of the following design properties. For each one, also describe/draw and an example of the property from your own project or -- only if there really isn't one in your project -- from another system that you have used.

a. VISIBILITY
b. CONSISTENCY

c. AFFORDANCE