

50F

Psychology D???

Human Computer Interaction

Course Outline – Fall 2005

LECTURES: TBA Room: TBA

PreReq: A course in Memory and Cognition is highly recommended.

INSTRUCTOR: Joseph MacInnes Room: TBA
E-Mail: jmac@cs.smu.ca
Web-page: www.cs.smu.ca/~jmac
Office Hours: TBA

TEXTBOOK: Course will rely on web material, hand outs, and lecture material.
Two recommended texts:
The Design (Psychology) of Everyday Things, D. Norman. This is a small but excellent introduction into 'common sense' design using applied psychology.
Psychology Engineering, 3rd ed. Wickens & Hollands is an excellent reference on the more advanced topics we will be covering, and will be an 'unofficial text' for the course (as well as must read if you wish to go further in this field).

EVALUATION:

Exam Midterm:		30% (all equivalent)
Project Milestones (3):	15%	
Project:	20%	
Final Exam:	35%	

TOPICS (as time permits)

- History (overview)
- The design of everyday things (Norman book)
- Human cognition (review) (Chapter 1 Wickens)
- Computer introduction/capabilities/IO
- Signal detection theory
- User interface design
- Computers for psychology experiments
- Various advanced topics such as:
 - Ubiquitous computing
 - Novel interfaces
 - Psychology engineering (including as many of the following as possible: Stress and Human error, Navigation, Language, decision making, automation and workload)

IMPORTANT COMMENTS

1. **Rules for Assignments and Quizzes:**
 - 1.1. Marked quizzes will be retained by the instructor.

2. **To pass the course**, you must satisfy **all** of the following conditions:
 - 2.1. Accumulate at least 50 points in the assignments, exams, and presentation.
 - 2.2. Receive 50% or above average in the exams.
 - 2.3. Receive 40% or above in the final Exam.
3. See the academic calendar for the definitions and consequences of **plagiarism** and other academic offenses.
4. **Rules for cell phones:** Cell phones must either not be brought to class or recitation, or be turned off during the class or recitation period. If you are expecting a telephone call which absolutely *must* be answered during a particular class or recitation time, don't come to that class or recitation. In other words, there is a zero tolerance for cell phones in this course.