COMP 3020 – Human-Computer Interaction 1

Calendar Description: Human-computer interaction: human factors and usability, user-centered design, prototyping, usability evaluation.
Prerequisite: COMP 2140.
Recommended: A course in cognitive psychology (such as PSYC 2480)
This course is a prerequisite for: COMP 4020

Outline

1) History of human-computer interaction and interaction paradigms (1 week)
2) Human perception, memory and cognition (1 week)
3) Input and output devices (1/2 week)
4) Usability goals and design principles (2 weeks)
6) User-centered design (2 1/2 weeks)
User profiles, data collection techniques, task analysis
7) Prototyping (1 week)
8) Implementation (3 weeks)
9) Usability evaluation (2 weeks)

Text: Jenny Preece et al., *Interaction Design: Beyond Human-Computer Interaction,* Wiley, 2002.