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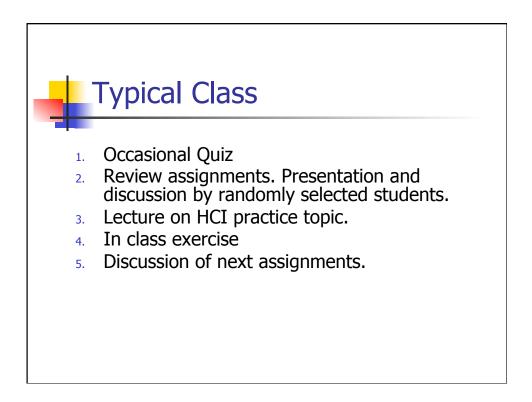


ww.ccs	neu.edu/course/is4300f16/schedule.htm		4	
	<b>IS4300– Human-Computer Interaction</b>			
	[Syllabus] [Schedule] [Homework] [Projects] [Resources] [Directory]			
	Schedule			
Date	Topics & Readings		Assignments	
		Due	Start	
9/7	Overview of HCI and course. Getting started on projects.		I1,P1	
9/12	HCI development process (Benyon Ch 1 & 3). Critical Analysis of UIs (Benyon 10.2). Team project brainstorming.	I1	<u>I2</u>	
9/14	Humans (Benyon Ch 21 & 25). Team project brainstorming.			
9/19	Doing observational studies (Benyon Ch 2 & 7; Fetterman; Example 1; Example 2).	I2	<u>I3</u>	
		P1a		
9/26	Requirements analysis: Users & Tasks (Benyon Ch 11), Scenarios (Rosson part of Ch 2), Intro to Usability (Benyon Ch 4).	P1b	<u>P2</u>	
9/25	GUI Software Architecture. [Overview] [Intro to Java Swing] [Intro to Netbeans]	13	<u>I4</u>	
		P2	<u>P3</u>	
		I4	<u>15</u>	
	HOLIDAY			
		P3	<u>P4</u>	
		15	<u>16</u>	
		P4	<u>P5a</u>	
		P5a	<u>P5b</u>	
	Reporting usability test results. Usability report template (usability.gov).	I6		



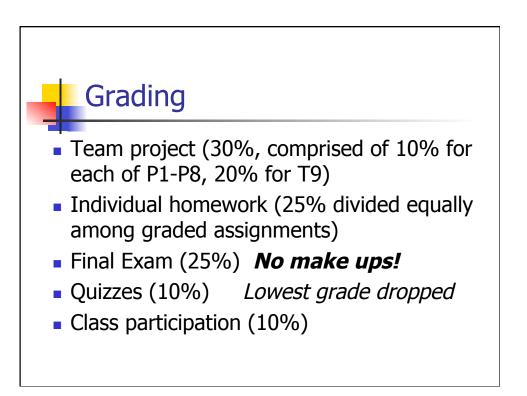


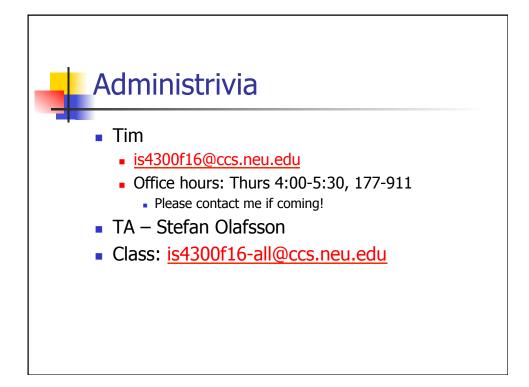
- Weekly Requirements
  - Read ~40 pages
  - Individual homework assignment
  - Project assignment
  - In-class Quiz
  - Describe and discuss assignments in class



## Quizzes

- Quizzes
  - Check understanding and ramifications of readings.
  - Usually 1-2 questions directly from readings, possibly applying the material to a new problem.
  - "Describe the Squishy Interface."
  - "Describe two usability metrics appropriate for a new xbox game."
  - "Give an example of inter-application consistency."

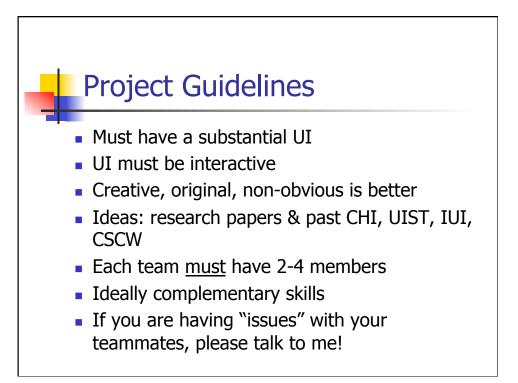






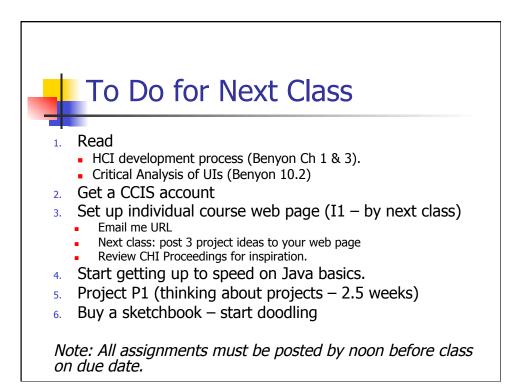
## Schedule Based on Team Project

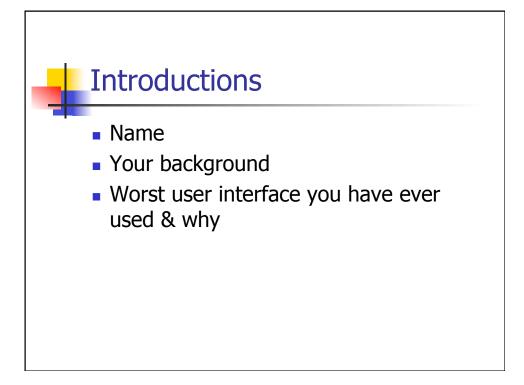
- P1 Find a Project (2.5 weeks)
- P2 Requirements Analysis (1 week)
- P3 Conceptual Design (1.5 weeks)
- P4 Design Sketches (1 week)
- P5 Paper Prototyping (1.5 weeks)
- P6 Computer Prototyping (2.5 weeks)
- P7 Heuristic Evaluation & Prototype Revision #1 (1.5 wks)
- P8 User Testing & Prototype Revision #2 (2 weeks)
- P9 Final Presentation and Report

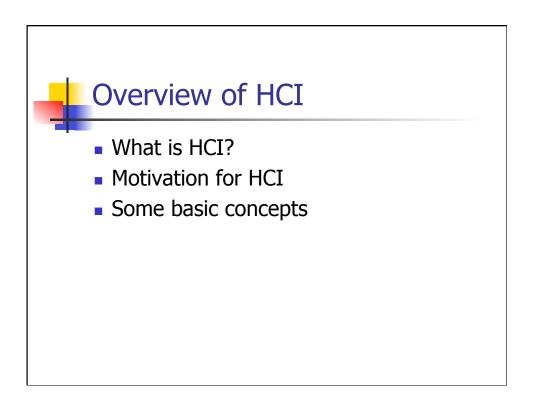




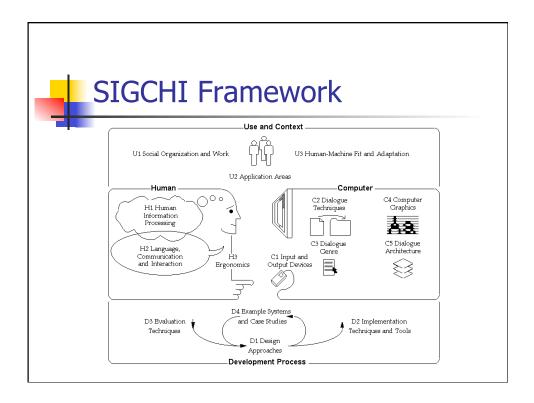
- Advanced Directives for Geriatrics
- D&D Character Editor
- NU Course Finder
- NU Course Scheduler
- MBTA Alerts / Schedules
- Vocal Warm Up App
- Virtual Yoga Instructor



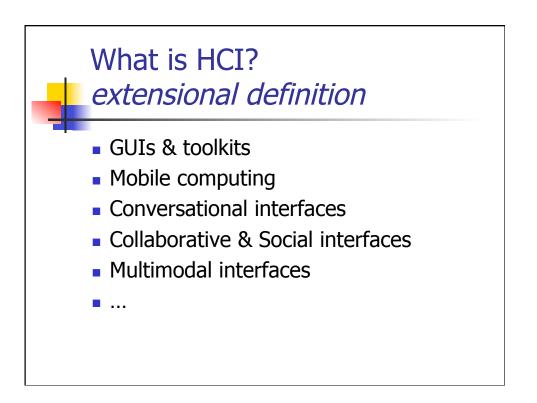


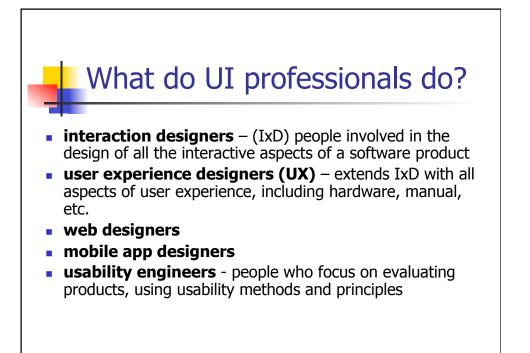


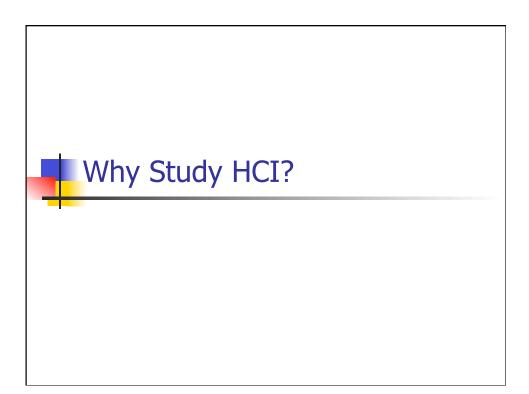
## What is HCI? ACM SIGCHI Curricula for HCI Human-computer interaction is a discipline concerned with the design, evaluation and implementation of interactive computing systems for human use and with the study of major phenomena surrounding them.

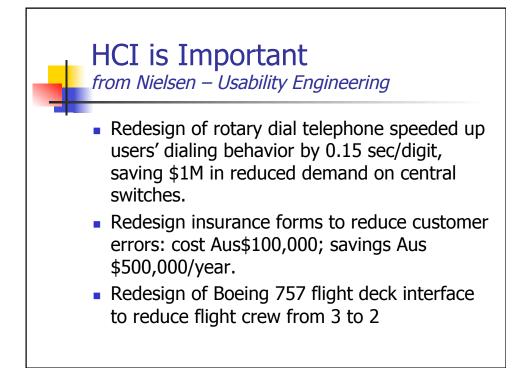


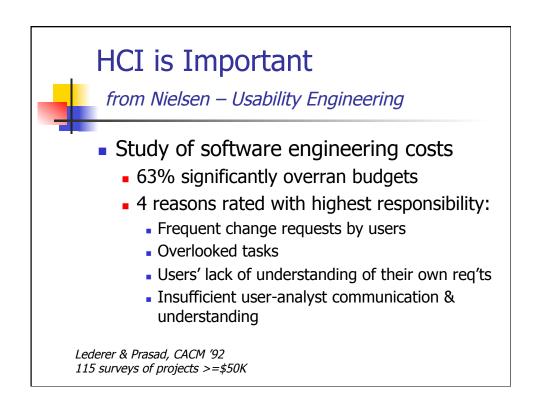








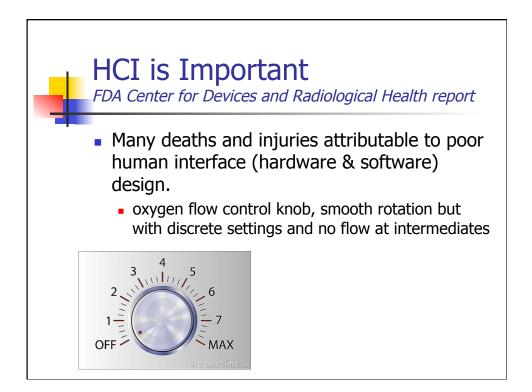


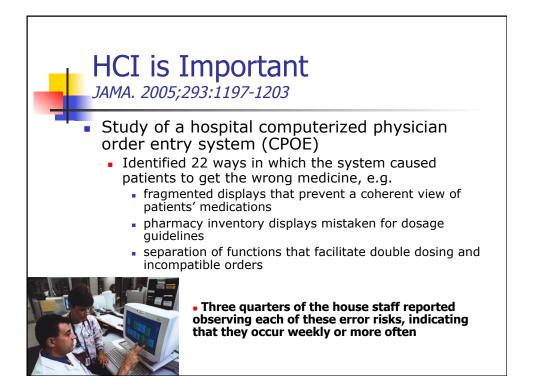


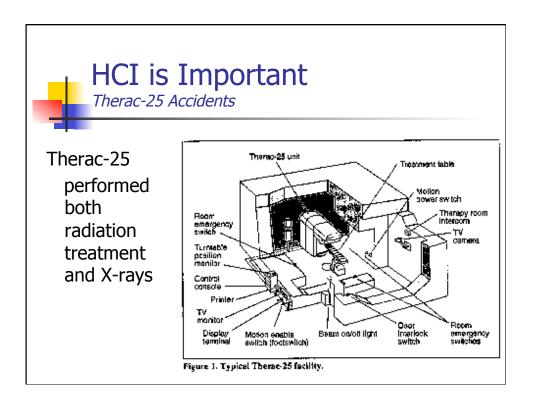
## HCI is Important

- UI strongly affects perception of software
  - Usable software sells better
  - "Ease of use" ratings
- For many shrinkwrapped products a single call to customer support can wipe out profits









Therac-25 Accidents     PATIENT NAME : TEST   A   1     TREATMENT NODE: FIX   BEAM TYPE: X ENERGY (KeV):   25     ACTUAL   PRESCRIE     UNIT RATE/MINUTE   0   200     MONITOR UNITS   50   50   200     TIME (MIN)   0.27   1.00     GANTRY ROTATION (DEG)   0.0   0   VERIFIED     COLLIMATOR ROTATION (DEG)   359.2   359   VERIFIED     COLLIMATOR X (CM)   14.2   14.3   VERIFIED     COLLIMATOR Y (CM)   27.2   27.3   VERIFIED	Therac-25 Accidents			
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