

Day 1 – Course Overview

EGR 223

SE Approach to HCI

Who's Who ?

Note to self: Take Attendance!

Course Topic

- Human Computer Interaction
 - Human
 - HCI uses principles from fields like psychology and sociology
 - Computer
 - HCI involves computers, both hardware and software – we will focus on software
 - Interaction
 - HCI focuses on the interaction between humans and computers
- We will focus on the **software** side of the computer
- Our goal will be to learn how to design and create engaging and effective graphical user interfaces (GUI)

Text

- Learning PHP, MySQL & JavaScript
 - by Robin Nixon, O'Reilly

Course Objectives

- Demonstrate the ability to evaluate human computer interfaces using defined criteria with both heuristic evaluation and user observation.
- Apply user-centered design principles to the creation of human computer interactions.
- Conduct and interpret basic experiments to evaluate usability.
- Implement user interfaces using web languages.

Technology

- Blackboard for general information, announcements, projects and assignments
- Balsamiq design and prototyping tool
- AWS C9

Student Evaluation

- **Homework/Exercises** – 20 HW / Exercises.
- **Assignments** – 5 Assignments.
- **Project** – Project to implement your UI as a fully functional web based prototype, using HTML/CSS/JS/PHP/MySQL.
- **Exams** – 3 exams. Exam 1, 2, and final.
- No late work accepted

Graded Item	# of Items	Percentage
HW/Exercises	20	15%
Assignments	5	15%
Exam	2	40%
Final Exam	1	30%
		100%

Academic Integrity

- **All homework assignment and exams must be your own work**
- The university policies for academic integrity and the honor code will be followed

Tentative Course Schedule

- The syllabus has a tentative daily topic schedule
- The professor may deviate from this schedule
- Assignment and project information is and will be posted on Blackboard

Communication

- Email – University email will be utilized for communication.
- You are expected to regularly check your CBU email account.
- Blackboard – The announcement feature may be used occasionally

Hybrid Portion – Friday

- Video will be posted on Blackboard
- Task to be completed before Monday

Start thinking about what you want to prototype & build

- You get to decide!
 - Default – college student homework management application
- Examples from previous years

Sample Final Assignments

- <https://www.youtube.com/watch?v=WuUSFdPnFwM>
- <https://youtu.be/p7cK5ak1Js0>
- <https://www.youtube.com/watch?v=atvdfpK90PE&feature=youtu.be>
- <https://www.youtube.com/watch?v=HTt3Cd1jero>
- <https://www.youtube.com/watch?v=iscevLSmVqc>
- <https://www.youtube.com/watch?v=qF4KUAmY4zs>
- <https://www.youtube.com/watch?v=p9sR3gXhij8>
- <https://www.youtube.com/watch?v=P9gPXJ0o7Zg>
- <https://www.youtube.com/watch?v=IVuB5LVmjQw&t=8s>
- <https://www.screencast.com/t/lhsTbw79V>
- <https://youtu.be/byG3wqcapEU>