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6001333-3 Human Computer Interaction

Lecture 0 (Week 1)

- Info on the course

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Prerequisite

- Prerequisite: 6001216-3 Multimedia Systems



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Course Content

- Background--the development, context, and scope of HCI (week 1)
- User-Centered Design, Understanding and Observing Users (week 1)
- Use Case Scenarios, Personas, and User Modeling (week 2)
- User Experience, Usability Requirements, and Low-Fidelity Prototyping (week 2)
- Usability Testing, Interaction Design and Analytical Evaluation (week 3)
- Models and Theories: GOMS, MHP, Fitts' Law (week 3)
- Accessibility and Risks: Error Classification, Automation, Designing for Error (week 4)

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Course Content

- Multimodal Interfaces and Ubiquitous Computing (week 5)
- Gestural Interaction and Tangible User Interfaces (week 5)
- Augmented Reality and Computer Supported Cooperative Work (week 6)
- Revision lecture (week 6)

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Course Learning Outcomes (CLOs)

1. The Students will know key concepts in designing usable products.
2. Students will be able to evaluate the usability of a given computer-based solution

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Weekly Hours

- 4 × 50 mins lectures
- 2 × 50 mins labs

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Assessment Methods



- Participation and attendance 10%
- Midterm exam 20%
- Designing and evaluation web pages (group project) 20%
- Final exam 50%

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Course Reference



- Dix, Alan et al., Human–Computer Interaction, 3rd Edition, Pearson, 2004
- Shneiderman, Ben et al., Designing the User Interface: Strategies for Effective Human-Computer Interaction, ISBN: 0321537351, Pearson, 2009.

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Course Expectations/Assumptions

- You are here because you want to
 - Attend all lectures
 - Check e-mails and course web page regularly
 - Do all reading on time as assigned
 - Be respectful to your classmates
 - Be on time
 - Please do not chat during lectures
 - Using mobile phone is not allowed at all in the class
 - Do not leave questions to the last day
 - Work hard from the beginning

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Course materials

- All related materials of this course will be available on:

<https://uqu.edu.sa/arzahrani/hci>

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Summery and Questions

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