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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, 3<sup>rd</sup> 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