Human-Computer Interaction

Department of Electrical Engineering
City University of Hong Kong

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Syllabus Outline

- **Foundations of Human Computer Interaction:** Overview of Human Computer Interaction (HCI), Human, Computer, Interaction

- **Process of HCI Design**
  HCI Design Activities, User Modelling & Task Analysis, Data Gathering Techniques, Design Techniques, Prototyping, Evaluation

- **HCI Design Examples:**
  Menu, Fill-in Form, Icon, Web, Speech, New Design Considerations & Directions
Intended Learning Outcomes

On successful completion of this course, you will

- Identify and recognize fundamental aspects of HCI
- Explain the importance of HCI
- Understand the basic theoretical knowledge in interaction design
- Differentiate between a good or bad design
- Criticize and justify the usability of things used in daily life based on HCI principles and knowledge
- Generate design ideas and apply evaluation techniques for various interfaces
# Teaching Pattern

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<thead>
<tr>
<th>Date</th>
<th>LT-8 (YEUNG)</th>
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<tbody>
<tr>
<td>5 Sep.</td>
<td>Lecture/Discussions/Exercises</td>
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<td>12 Sep.</td>
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<td>3 Oct.</td>
<td>Presentation</td>
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<td>10 Oct.</td>
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<td>Lecture/Presentation</td>
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<tr>
<td>28 Nov.</td>
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Assessment

Coursework: 40%
- Assignment & Presentation: 10%
- In-Class Exercises (at random): 10%
- Group Project: 10%
- Test: 10%

Examination: 60%

To pass the course, at least 30% of coursework AND examination marks are required.

Act of academic dishonesty (e.g., plagiarism, submission for assessment of material that is not your own work) will be liable to disciplinary actions.
Book List