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, Design Techniques, Prototyping, Evaluation

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

On successful completion of this course, you will

- Identify and recognize **fundamental aspects of HCI and interaction design process**
- Explain the importance of HCI
- Differentiate between a **good or bad design**
- Criticize and justify the **usability** of things used in daily life, particularly computer-related products, based on HCI **principles and guidelines**
- Generate design ideas and apply evaluation techniques, particularly in a mini-project
# Teaching Pattern

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<th>Week</th>
<th>Lecture + Discussion</th>
<th>Presentation</th>
<th>Mini-Project</th>
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Note: L01, L02 and L61 students take laboratory/presentation sessions on Tuesday’s morning, Wednesday’s morning and Thursday’s evening, respectively.
Assessment

Coursework: 40%
■ Assignments & Presentation: 8%
■ Mini-Project & Presentation: 22%
■ Test: 10%

Examination: 60%

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

More on Assignment Presentation on Week 7 or 8:

- Each student is required to make a short presentation regarding major findings of one investigated item in Q.2 of Assignment 1

- Take your own photos if possible
Assessment

More on Mini-Project:

- Final objective is to build an interactive blog
- Basic training is provided in Weeks 3 and 4 through compulsory laboratory sessions:
  - Week 3: XHTML, JavaScript, text-to-speech
  - Week 4: PHP, MySQL, phpMyAdmin
- Week 3: Form group of 4 (within L01, L02, L61) prior to receiving phpMyAdmin account
- Week 10: Prototyping and evaluation of blog
- Week 13: Presentation
- You will help assessing blogs of other groups
Book List

Textbook:

Supplementary:
6. B.Shneiderman and C.Plaisant, Designing the User Interface, Addison Wesley (2005)
On-Line Resources:

Teaching Materials:

- http://wps.aw.com/aw_heim_rinterface_1
- http://wps.aw.com/aw_shneider_dtui_4

XHTML, JavaScript, Text-to-Speech, PHP, MySQL

- http://validator.w3.org
- http://www.prenhall.com/mccracken_wolfe
- http://www.springeronline.com/sgw/cda/frontpage/0,11855,3-40109-22-2277114-0,00.html
- http://www.w3schools.com/php/default.asp
- http://www.w3schools.com/sql/default.asp