IF184601 | HUMAN-COMPUTER INTERACTION

Introduction to HCI

Human Computer Interaction (HCI) is a multidisciplinary subject. However, in this course we will focus on NUI for 3D interaction and the development of UI/UX for 2D interaction.

IF184601 HCI

2022

Teacher

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Teaching Assistant

- to be announced -

Schedule

Class **A**	: Wednesday 10.00 - ...
Class **IUP**	: Thursday 10.00 - ...
Class **E**	: Friday 07.30 - ...

Open www.menti.com

How would you describe this Human-Computer Interaction course in 5 keywords?

Learning Plan

1. Human, Computer, and Interaction
2. Awareness of Good and Bad Design
3. User Interface and User Experience (UI/UX)
4. Heuristic Analysis
5. Natural-User Interface for XR Applications
6. Design Thinking
7. Contextual Inquiry and Analysis
8. Prototyping Using Figma
9. Usability Evaluation
10. Persona

Reading References

The Design of Everyday Things   by Don Norman
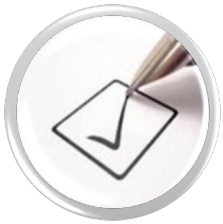
3D User Interfaces   by Doug A. Bowman,
Ernst Kruijff, Joseph J. LaViola

The UX Book   by Rex hartson and Pardha Pyla

Grading

PRESENCE

15 MINS
LATE TOLERANCE

10%

TRIVIAL QUIZ

ADHOCLY ORGANIZED
IN THE MIDDLE OF THE
COURSE SESSION

15%

(INDIVIDUAL)
ASSIGNMENT 1

DRAFTING NUI
FOR AN
EDUCATIVE XR

25%

(INDIVIDUAL)
ASSIGNMENT 2

REFURBISHING
UI/UX APP IN ITS
ACCORDING TO
HEURISTIC
ANALYSIS

25%

(GROUP)
ASSIGNMENT 3

DEVELOPING
UI/UX FOR A
NOVEL APP
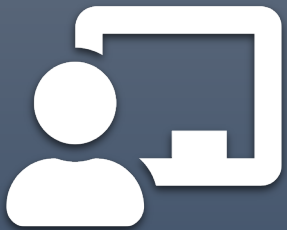USING DESIGN
THINKING

25%

EXTRA SCORES FOR ANY
ACTIVITY
IN THE CLASS:
QUESTIONING,
ANSWERING,
COMMENTARY.

+1

Course Instruments

myITS Classroom	Figma	Maze	Microsoft Word

1. Pick a **physical appliance** whose interface is bad in your opinion.

2. Take a **selfie photo** with that appliance.

3. Write a description about the appliance consisting of: **what** is its name? **who** are its potential user(s)? **where** are we possibly able to find it? **why** is its interface bad? **how** should its interface be? (*please offer an alternative interface for it visually and/or textually*)

Everyone must find one distinct appliance comparing to others. Secure your finding by creating a new discussion on the myITS Classroom forum.