האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

The Hebrew University of Jerusalem

Syllabus

Interaction 1 - 67684

Last update 17-08-2023

HU Credits: 3

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Computer Sciences

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Prof Amit Zoran

Coordinator Email: Amit.Zoran@mail.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Prof Amit Zoran

Course/Module description:

This interdisciplinary course will explore human interaction with our natural and technological environments. By blending fields such as anthropology, history, biology and cognitive science, and human-computer interaction, we will investigate fundamental questions related to human senses, perception, and consciousness. Using the concept of paradigm, we will examine how human beings have changed their relationship with the environment and how these changes are closely tied to reflective thinking, science, and the emergence of our technological world. Additionally, we will investigate how technological tools have affected our perception of reality and how technology reflects these changes. We will place a special emphasis on the development of technological interfaces and design processes, including mechanical, electronic, and digital, to understand deeper issues in design and the human mind. We will also look into advancements and issues surrounding interaction with computers and digital technology since the mid-20th century, and examine various interaction paradigms.

Course/Module aims:

see "Course description"

Learning outcomes - On successful completion of this module, students should be able to:

see "Course description"

Attendance requirements(%):

60

Teaching arrangement and method of instruction: frontal

Course/Module Content:

Paradigms and perceptual revolutions
1
Intro. to the perception of reality: nature
2
Intro. to the perception of reality: human
3
Intro. to the perception of reality: culture
4

The basics of technological sensing a
5
The basics of technological sensing b
6
Midterm exam and conversation
7
Human-computer interfaces & design a
8
Human-computer interfaces & design b
9
Theory of human-computer interaction a
10
Theory of human-computer interaction b
11
Theory of human-computer interaction c
12
Human creativity in the age of AI
13

Required Reading:
see "Course description"

Additional Reading Material:
Eduardo Kohn - How Forests Think: Toward an Anthropology Beyond the Human
Jared Diamond - Guns, Germs, and Steel: The Fates of Human Societies
Yvonne Rogers - HCI Theory - Classical, Modern, and Contemporary
Don Norman - The Design of Everyday Things

Grading Scheme:
Written / Oral / Practical Exam 70 %
Mid-terms exams 30 %

Additional information: