COURSE DETAIL

HUMAN-COMPUTER INTERACTION
Country Germany
Host Institution Technical University Berlin
Program(s) Technical University Berlin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 145
UCEAP Course Suffix
UCEAP Official Title HUMAN-COMPUTER INTERACTION
UCEAP Transcript Title HUMN-CMPTR INTERACT
UCEAP Quarter Units 5.50
UCEAP Semester Units 3.70

Course Description

The lecture covers four major aspects of HCI: 1. Understanding users (user behavior, user research techniques such as interviews and usability testing) 2. Designing user interfaces (principles of interface design for usability, interaction paradigms) 3. Evaluating interfaces (usability testing methods, identifying usability problems, iterative design based on user feedback) 4. Integrating HCI into system development (integrating the above aspects into an iterative product development cycle). The exercise section of the course applies the above theory in practice. Learning outcomes include: Apply HCI principles to design user-friendly interfaces; conduct fundamental user research and analyze user needs; understand principles of iterative prototyping and evaluation of interactive systems; communicate HCI concepts effectively.

Language(s) of Instruction
English

Host Institution Course Number
#41194 / #4

Host Institution Course Title
HUMAN-COMPUTER INTERACTION

Host Institution Course Details
https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschre...

Host Institution Campus
Technical University Berlin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Institut für Softwaretechnik und Theoretische Informatik

Course Last Reviewed
2024-2025

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