

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 Campus

Technical University Berlin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Institut für Softwaretechnik und Theoretische Informatik

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