

## 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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