

COURSE DETAIL

MULTIMODAL 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

133

UCEAP Course Suffix**UCEAP Official Title**

MULTIMODAL INTERACTION

UCEAP Transcript Title

MULTIMODL INTERACTN

UCEAP Quarter Units

5.50

UCEAP Semester Units

3.70

Course Description

This course sets the basics for an understanding of multimodal communication between humans and multimodal interaction between humans and machines. The course begins with clarifying the basic principles of human-human communication and human-machine interaction. The course then describes the processes taking place in humans when perceiving auditory, visual, and tactile signals, as well as how these perceptions are integrated in order to form a multimodal perception. The signals can be generated and received by machines which are able to interact with humans in limited domains. The set-up of such machines is discussed, and limitations as well as potential solutions to overcome these limitations is explained.

Language(s) of Instruction

English

Host Institution Course Number

n/a

Host Institution Course Title

MULTIMODAL INTERACTION

Host Institution Course Details

<https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschre...>

Host Institution Campus

Host Institution Faculty

FAKULTÄT IV ELEKTROTECHNIK UND INFORMATIK

Host Institution Degree

Host Institution Department

Softwaretechnik und Theoretische Informatik

Course Last Reviewed

2021-2022

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