

COURSE DETAIL

MULTIMEDIA AND WIRELESS LAB

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

147

UCEAP Course Suffix

A

UCEAP Official Title

MULTIMEDIA AND WIRELESS LAB

UCEAP Transcript Title

MLTIMD&WIRELESS LAB

UCEAP Quarter Units

8.50

UCEAP Semester Units

5.70

Course Description

This lab course (Praktikum) trains in video encoding and transmission over communication networks. A particular focus will be on wireless and mobile networks, which are becoming increasingly important. After a successful completion the students are capable of encoding video clips, assessing the video quality using objective video quality metrics, and streaming the video. The students will further acquire the basics in the field of wireless communication - interference, broadcast communication medium, rate and power control. They will build up technical expertise on MAC and routing protocol behaviour in wireless mesh networking environments through various experiment set-up and performance evaluations.

Language(s) of Instruction

English

Host Institution Course Number

0432 L 833

Host Institution Course Title

MULTIMEDIA AND WIRELESS LAB

Host Institution Campus

Technische Universität Berlin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Institut für Telekommunikationssysteme

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