

COURSE DETAIL

ARDUINO FOR INTERACTIVE MEDIA

Country

Germany

Host Institution

Technical University Berlin

Program(s)

Technical University Summer

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science Art Studio Architecture

UCEAP Course Number

112

UCEAP Course Suffix**UCEAP Official Title**

ARDUINO FOR INTERACTIVE MEDIA

UCEAP Transcript Title

ARDUINO FOR MEDIA

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

The course focuses on understanding and programming Arduino microcontroller, and designing interactive, responsive devices that express media contents. The course is suitable for students of media, design, and architecture who are interested in design processes, techniques using multimedia digital tools and coding, and moreover, for academics and professionals of media, design, and architecture who are interested in experimental interactive design tools, techniques, and processes using Arduino. The course addresses the following topics: introduction to Arduino microcontroller and what it can do; understanding Arduino programming environment; how to program Arduino; how to incorporate input sensors and output components into Arduino-driven devices.

Language(s) of Instruction

English

Host Institution Course Number

Host Institution Course Title

ARDUINO FOR INTERACTIVE MEDIA

Host Institution Campus

TUBS

Host Institution Faculty

Host Institution Degree

Host Institution Department

[Print](#)