

## COURSE DETAIL

### ROBOTICS AND AI: ETHICAL AND SOCIAL CHALLENGES OF EMERGING TECHNOLOGIES

**Country**

Germany

**Host Institution**

Technical University Berlin

**Program(s)**

Technical University Berlin

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mechanical Engineering Engineering

**UCEAP Course Number**

112

**UCEAP Course Suffix****UCEAP Official Title**

Robotics and AI: Ethical and social challenges of emerging technologies

**UCEAP Transcript Title**

ROBOTICS&AI:ETHICS

**UCEAP Quarter Units**

5.50

**UCEAP Semester Units**

3.70

### **Course Description**

Students discuss key aspects of the ethical debates around robotics and artificial intelligence, focusing on the healthcare and medical sectors. The seminar includes an introduction to interdisciplinary methods of responsible technology design. Students work in interdisciplinary teams on proposals for responsible design, and they learn appropriate methods on the topics of scenario analysis, value assessment, and critical design thinking.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

3536 L 1003

### **Host Institution Course Title**

Robotics and AI: Ethical and social challenges of emerging technologies

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Institut für Werkzeugmaschinen und Fabrikbetrieb

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