

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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