

COURSE DETAIL

ROBOTICS

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Electrical Engineering Computer Science

UCEAP Course Number

147

UCEAP Course Suffix**UCEAP Official Title**

ROBOTICS

UCEAP Transcript Title

ROBOTICS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces key issues involved in the development of intelligent robotics. It explores issues on spatial transformation, kinematics, software control architectures, sensing, localization, and navigation. Robotics programming theory is backed by programming three types of robots: Pioneer ground vehicle, robotic arm, and a flying drone. Assessment: homework, exams, and a final project.

Language(s) of Instruction

English

Host Institution Course Number

CSIE5047

Host Institution Course Title

ROBOTICS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science and Information Engineering

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