

# 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 Course Details

[http://nol.ntu.edu.tw/nol/coursesearch/print\\_table.php?course\\_id=922%20U1070&cl...](http://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=922%20U1070&cl...)

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Computer Science and Information Engineering

## Course Last Reviewed

2022-2023

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