

COURSE DETAIL

INTRODUCTION TO ROBOTICS

Country

United Kingdom - England

Host Institution

King's College London

Program(s)

King's College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering Computer Science

UCEAP Course Number

136

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO ROBOTICS

UCEAP Transcript Title

INTRO ROBOTICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course explores robotics with a focus on relevant physics and mathematics. Topics include history and applications of robotics, basic physical principles of electrical/electronic circuits, basic physical principles of mechanical dynamic systems, first and second order differential equations, the need for and the capabilities of different types of sensors and actuators, and basic concepts of control, and different types of robot control architecture.

Language(s) of Instruction

English

Host Institution Course Number

5CCS2ITR

Host Institution Course Title

INTRODUCTION TO ROBOTICS

Host Institution Course Details

<https://www.kcl.ac.uk/abroad/module-options/module?id=f06d8418-8f21-40f1-92bc-e...>

Host Institution Campus

King's College London

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Informatics

Course Last Reviewed

2019-2020

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