# 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 Campus**
King's College London

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Informatics

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