

COURSE DETAIL

ROBOTIC SYSTEMS

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

161

UCEAP Course Suffix**UCEAP Official Title**

ROBOTIC SYSTEMS

UCEAP Transcript Title

ROBOTIC SYSTEMS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course teaches students to model and analyze typical mechatronic devices and their implementation using digital computers, with particular emphasis on robotic systems. Students develop kinematics and dynamic models of robots and examine the electro-mechanical design aspects of mechatronic systems. The course investigates intelligent methods for robotic navigation as well as trajectory and path planning.

Language(s) of Instruction

English

Host Institution Course Number

6CCE3ROS

Host Institution Course Title

ROBOTIC SYSTEMS

Host Institution Course Details

<https://www.kcl.ac.uk/abroad/module-options/robotic-systems>

Host Institution Campus

Strand Campus

Host Institution Faculty

Host Institution Degree

Bachelors

Host Institution Department

Engineering

Course Last Reviewed

2021-2022

[Print](#)