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 Campus
Strand Campus

Host Institution Faculty

Host Institution Degree
Bachelors

Host Institution Department
Engineering

Print