

COURSE DETAIL

ROBOTICS AND BIOMEDICAL SYSTEMS CONTROL

Country

Spain

Host Institution

University of Barcelona

Program(s)

University of Barcelona

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Electrical Engineering Computer Science Bioengineering

UCEAP Course Number

170

UCEAP Course Suffix**UCEAP Official Title**

ROBOTICS AND BIOMEDICAL SYSTEMS CONTROL

UCEAP Transcript Title

ROBOTICS&BIOMED SYS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course provides an introduction to medical robotics and its applications. It covers recent developments in robotics for medical applications, position and orientation (POSE) of a robotic system, the kinematics of arm-type and vehicle-type robots, the trajectory of an arm-type robot end effector, and the different biomedical system controls.

Language(s) of Instruction

English

Host Institution Course Number

363758

Host Institution Course Title

ROBOTICS AND BIOMEDICAL SYSTEMS CONTROL

Host Institution Course Details

<https://grad.ub.edu/grad3/plae/AccesInformePD?curs=2023&codiGiga=363758&idioma=...>

Host Institution Campus

Campus Universitat

Host Institution Faculty

Facultat de Matemàtiques i Informàtica

Host Institution Degree

Enginyeria electrònica

Host Institution Department

Departament d'Enginyeria Electrònica i Biomèdica

Course Last Reviewed

2023-2024

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