COURSE DETAIL

IOT AND BIG DATA FOR SMART AGRICULTURAL SYSTEMS
Country Italy
Host Institution University of Bologna
Program(s) University of Bologna
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Agricultural Sciences
UCEAP Course Number 188
UCEAP Course Suffix
UCEAP Official Title IOT AND BIG DATA FOR SMART AGRICULTURAL SYSTEMS
UCEAP Transcript Title IOT&DATA SMRT AG SY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course is part of the Laurea Magistrale degree program and is intended for advanced level students. Enrolment is by permission of the instructor. The course focuses on topics including: the basics for ICT, big data, and IoT; the introduction to IoT, application scenarios, enabling definitions and technologies, and cloud and fog computing; the main components of IoT solutions, and big data and references to Artificial Intelligence; and IoT and big data services from the product to the service, and application cases in smart agriculture. The course content is divided into 6 parts: 1) introduction to computer science; 2) Internet of Things (IoT); 3) big data and Artificial Intelligence; 4) tools for data analysis, elaboration, and visualizations; 5) field work; and 6) seminar.

Language(s) of Instruction
English

Host Institution Course Number
93653

Host Institution Course Title
IOT AND BIG DATA FOR SMART AGRICULTURAL SYSTEMS

Host Institution Course Details
https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2023/455766

Host Institution Campus
BOLOGNA

Host Institution Faculty

Host Institution Degree
LM in PRECISE AND SUSTAINABLE AGRICULTURE

Host Institution Department
Agricultural and Food Sciences

Course Last Reviewed
2023-2024

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