

COURSE DETAIL

BIOLOGICAL SYSTEMS

Country

Spain

Host Institution

Carlos III University of Madrid

Program(s)

Carlos III University of Madrid

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Bioengineering

UCEAP Course Number

102

UCEAP Course Suffix**UCEAP Official Title**

BIOLOGICAL SYSTEMS

UCEAP Transcript Title

BIOLOGICAL SYSTEMS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course examines statistical representation for analyzing, interpreting and predicting biological data, modeling description and application related to biological components involved in cellular processes, and modeling trees and biological networks at molecular level. Other topics include: biological systems-related data, the modeling of the structure and dynamics of biological components, interactions between the molecular systems involved in biological processes of genetic networks, and molecular and biochemical interactions. This course is taught from the point of view of quantitative biological systems modeling.

Language(s) of Instruction

English

Host Institution Course Number

15540

Host Institution Course Title

SISTEMAS BIOLÓGICOS

Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=257&plan=419&anio=2024&asig=15...>

Host Institution Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Ingeniería Biomédica

Host Institution Department

Bioingeniería e Ingeniería Aeroespacial

Course Last Reviewed

2024-2025

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