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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