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
E

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
BIOLOGICAL SYSTEMS

Host Institution Campus
Escuela Politécnica Superior. (Leganés)

Host Institution Faculty

Host Institution Degree

Host Institution Department
Bioingeniería e Ingeniería Aeroespacial

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