COURSE DETAIL

BIONIFORMATICS
Country Italy
Host Institution University of Bologna
Program(s) University of Bologna
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Statistics Biological Sciences
UCEAP Course Number 177
UCEAP Course Suffix
UCEAP Official Title BIONIFORMATICS
UCEAP Transcript Title BIOINFORMATICS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course is part of the LM degree program and is intended for advanced level students. Enrollment is by consent of the instructor. This course discusses bioinformatics and data science, with direct applications on molecular biology, genetics, genomics, and transcriptomics. The course discusses topics including next generation sequencing, bioinformatics file formats, the UNIX environment, online bioinformatics tools, gene networks, bioinformatics databases, cancer bioinformatics, sequence acquisition, phylogenetic analysis, R statistical environment, and graphics with R.

Language(s) of Instruction
English

Host Institution Course Number
85297

Host Institution Course Title
BIONIFORMATICS

Host Institution Course Details
https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/467658

Host Institution Campus
BOLOGNA

Host Institution Faculty

Host Institution Degree
LM in MOLECULAR AND CELL BIOLOGY

Host Institution Department
Pharmacy and Biotechnology

Course Last Reviewed
2022-2023

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