

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 Campus

BOLOGNA

Host Institution Faculty

Host Institution Degree

LM in MOLECULAR AND CELL BIOLOGY

Host Institution Department

Pharmacy and Biotechnology

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