

## 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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