

COURSE DETAIL

BIOINFORMATICS

Country

China

Host Institution

Fudan University

Program(s)

Fudan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

128

UCEAP Course Suffix**UCEAP Official Title**

BIOINFORMATICS

UCEAP Transcript Title

BIOINFORMATICS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course examines biological problems using methods of mathematical statistics and computer science. Course topics include comparative genomics and principles of algorithms, transcriptomics and epigenomics, an introduction to probability theory and mathematical statistics, supervised and unsupervised classification methods, computer programming, and data structures. The course provides students with an understanding of the scientific frontier of research and basic skills for big data analysis.

Language(s) of Instruction

Chinese

Host Institution Course Number

BIOL130046

Host Institution Course Title

BIOINFORMATICS

Host Institution Campus

Host Institution Faculty

CHENG Ji

Host Institution Degree

Host Institution Department

Life Science

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