

COURSE DETAIL

MICROBIAL GENETICS AND MOLECULAR VIROLOGY

Country

Italy

Host Institution

University of Bologna

Program(s)

University of Bologna

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

180

UCEAP Course Suffix**UCEAP Official Title**

MICROBIAL GENETICS AND MOLECULAR VIROLOGY

UCEAP Transcript Title

MICRB GEN&MOL VIRLG

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 explores the genetic, epigenetic, and genomic mechanisms governing microbial physiology in a changing environment which includes selective pressure by antibiotics, vaccines, pollution, and climate. The molecular basis of the virus-host interaction is also discussed. The laboratory activity familiarizes students with molecular approaches to generate recombinant organisms, and assesses the impact of viral activity on the host's metabolism.

Language(s) of Instruction

English

Host Institution Course Number

96028

Host Institution Course Title

MICROBIAL GENETICS AND MOLECULAR VIROLOGY

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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