# COURSE DETAIL

| MICROBIAL GENETICS AND MOLECULAR VIROLOGY |
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| **Country**<br>Italy |
| **Host Institution**<br>University of Bologna |
| **Program(s)**<br>University of Bologna |
| **UCEAP Course Level**<br>Upper Division |
| **UCEAP Subject Area(s)**<br>Biological Sciences |
| **UCEAP Course Number**<br>180 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>MICROBIAL GENETICS AND MOLECULAR VIROLOGY |
| **UCEAP Transcript Title**<br>MICRB GEN&MOL VIRLG |
| **UCEAP Quarter Units**<br>6.00 |
| **UCEAP Semester Units**<br>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 Course Details**
https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/467661

**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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