COURSE DETAIL

MOLECULAR MICROBIOLOGY
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 118
UCEAP Course Suffix
UCEAP Official Title MOLECULAR MICROBIOLOGY
UCEAP Transcript Title MOLECULAR MICROBIOL
UCEAP Quarter Units 12.00
UCEAP Semester Units 8.00

Course Description

Bacteria make up the foundation of the biosphere and sustain all life on earth. This course provides insights into how genes are organized and regulated in bacteria and in their viruses. The course comprises molecular biology of genes, proteins, multi-component protein complexes, and other biomolecules that provide structure and perform the organism’s functions. The use of genetic engineering and modern techniques such as transcriptomics, proteomics, and sequence analysis are included. The experimental part focus on the most studied bacteria, Bacillus subtilis, Escherichia coli, and Streptomyces coelicolor.

Language(s) of Instruction
English

Host Institution Course Number
BIOR63

Host Institution Course Title
MOLECULAR MICROBIOLOGY

Host Institution Course Details
https://www.lunduniversity.lu.se/lubas/i-uoh-lu-BIOR63

Host Institution Campus

Host Institution Faculty
Faculty of Science

Host Institution Degree

Host Institution Department

Course Last Reviewed
2021-2022

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