COURSE DETAIL

ANTIBIOTICS: BIOLOGY AND CHEMISTRY
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 148
UCEAP Course Suffix
UCEAP Official Title ANTIBIOTICS: BIOLOGY AND CHEMISTRY
UCEAP Transcript Title ANTIBIOTICS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

Antibiotics were once regarded as miracle drugs. However, they are becoming less effective as bacteria develop resistance against them. The increasing occurrence of micro-organisms that are resistant to multiple antibiotics constitutes a serious threat to human health. The course addresses fundamental questions and problems concerning antibiotics such as what is the role of antibiotics in nature? How are they synthesized? What are their modes of action? How can new antibiotics be discovered? How can we attack problems with antibiotic-resistant microorganisms? The course brings a comprehensive understanding of the biology and chemistry of antibiotics. It provides insight into bacterial physiology and also industrial and clinical aspects of antibiotics and the evolution of antibiotic resistance.

Language(s) of Instruction
English

Host Institution Course Number
BIOR56

Host Institution Course Title
ANTIBIOTICS - BIOLOGY AND CHEMISTRY

Host Institution Course Details
https://www.lunduniversity.lu.se/lubas/i-uoh-lu-BIOR56

Host Institution Campus
Lund

Host Institution Faculty
Science

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

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