COURSE DETAIL

AGRICULTURAL MICROBIOLOGY
Country Ireland
Host Institution University College Dublin
Program(s) University College Dublin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences Agricultural Sciences
UCEAP Course Number 141
UCEAP Course Suffix
UCEAP Official Title AGRICULTURAL MICROBIOLOGY
UCEAP Transcript Title AGRICULTRL MICROBIO
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course explores microbiological concepts relevant to agricultural, environmental, and food applications. Examples relate microbiological theory to the production and spoilage of foods and fodders, water quality, microbiological regulation of nutrient cycles, animal and plant health, and biotechnology. Students are introduced to common microorganisms and consider growth, classification, genetics, survival, and control by sterilization, disinfection, immunization, and antibiotics. As part of the theoretical and practical aspects of the course students gain experience with microbiological laboratory methodologies such as microscopy, sterile technique, and the isolation and identification of pure cultures.

Language(s) of Instruction
English

Host Institution Course Number
MICR20010

Host Institution Course Title
AGRICULTURAL MICROBIOLOGY

Host Institution Course Details
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Host Institution Campus
UC Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department
Microbiology

Course Last Reviewed
2024-2025

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