

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 Campus

UC Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Microbiology

[Print](#)