

## COURSE DETAIL

### SOIL SCIENCE

**Country**

Ireland

**Host Institution**

Trinity College Dublin

**Program(s)**

Trinity College Dublin

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

105

**UCEAP Course Suffix****UCEAP Official Title**

SOIL SCIENCE

**UCEAP Transcript Title**

SOIL SCIENCE

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

This course covers the fundamental concepts of soil formation and characterization, and examines how soil characteristics influence plant distribution and productivity through water and nutrient availability. It looks at how soil organisms (bacteria, fungi) interact with plants, and how soils influence global biogeochemical cycles (carbon and nitrogen). Particular focus is given to the role of soils in the production of food, fuel, and fiber and how sustainable land management practices are required to ensure the long-term health and fertility of soil systems.

## Language(s) of Instruction

English

## Host Institution Course Number

BOU33123

## Host Institution Course Title

SOIL SCIENCE

## Host Institution Campus

Trinity College Dublin

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Botany

[Print](#)