

COURSE DETAIL

CLIMATE CHANGE AND AGRICULTURE

Country

Ireland

Host Institution

University College Dublin

Program(s)

University College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies

UCEAP Course Number

149

UCEAP Course Suffix**UCEAP Official Title**

CLIMATE CHANGE AND AGRICULTURE

UCEAP Transcript Title

CLIMATE CHANGE&AGRI

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course examines the causes and consequences of climate change in relation to agriculture, recognizing agriculture as both a significant source of greenhouse gas emissions and a sector highly vulnerable to climate impacts. With particular attention to Ireland, where agriculture accounts for a substantial share of national emissions, the course explores innovative land-use solutions and strategies for mitigation and adaptation at local and global scales. Topics include livestock management, food systems and dietary choices, agricultural efficiency, bioenergy, and policy pathways toward carbon neutrality, including those proposed by Teagasc. The course also emphasizes the development of research skills, including the sourcing, critical evaluation, and synthesis of information related to agriculture and climate change.

Language(s) of Instruction

English

Host Institution Course Number

BIOL20050

Host Institution Course Title

CLIMATE CHANGE AND AGRICULTURE

Host Institution Course Details

https://hub.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=BIOL20050&ARCH...

Host Institution Campus

Host Institution Faculty

School of Biology & Environment Science

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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