COURSE DETAIL

FOREST CLIMATE AND CARBON
Country Ireland
Host Institution University College Dublin
Program(s) University College Dublin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Agricultural Sciences
UCEAP Course Number 136
UCEAP Course Suffix
UCEAP Official Title FOREST CLIMATE AND CARBON
UCEAP Transcript Title FOREST CLIMATE
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course explores, for students with and without a science background, the linkages between forests, climate (change), and carbon (as well as other greenhouse gases). Topics include forest types, tree species; environmental factors determining tree growth/health; impacts of forests on climate and ecosystems; climate predictions, expected consequences and dendro-climatology; mitigation: carbon sequestration, biomass, renewable energy, product lifecycle, conservation of existing forests and forest expansion, land-use change and context of forestry among other land-use types e.g. agricultural systems; adaptation: forest management and sustainability, forest conversion/transformation, species selection, silvicultural systems; carbon trading: reduced emissions from deforestation and forest degradation (REDD); international cooperation (Kyoto, Copenhagen, Madrid, Cancun, Paris etc.) and current position for Ireland. Course includes a compulsory one-day fieldtrip.

Language(s) of Instruction
English

Host Institution Course Number
FOR20110

Host Institution Course Title
FOREST CLIMATE AND CARBON

Host Institution Course Details
https://hub.ucd.ie/usis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=FOR20110&ARCHI...

Host Institution Campus

Host Institution Faculty
School of Agriculture and Food Science

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

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