COURSE DETAIL

GEOMATERIALS AND GEOENERGY
Country Ireland
Host Institution University College Dublin
Program(s) University College Dublin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Earth & Space Sciences
UCEAP Course Number 130
UCEAP Course Suffix
UCEAP Official Title GEOMATERIALS AND GEOENERGY
UCEAP Transcript Title GEOMATERIALS&ENERGY
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course outlines the processes leading to the formation and behavior of economic geomaterials and energy resources. Geomaterials covered include groundwater and the sources of metallic and non-metallic resources. Geoenergy resources covered include coal, conventional and unconventional hydrocarbons, wind, hydroelectric, ocean, solar, geothermal and nuclear energy. The use of and demand for geomaterials and geoenergy are explored, and strategies for transitioning to a clean energy future, including carbon capture and storage technologies, are discussed.

Language(s) of Instruction
English

Host Institution Course Number
GEOL30380

Host Institution Course Title
GEOMATERIALS AND GEOENERGY

Host Institution Course Details
https://hub.ucd.ie/usis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=GEOL30380

Host Institution Campus
University College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department
Science

Course Last Reviewed
2023-2024

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