COURSE DETAIL

PALAEOCEANOGRAPHY
Country Ireland
Host Institution University of Galway
Program(s) University of Galway
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Geography Biological Sciences
UCEAP Course Number 151
UCEAP Course Suffix
UCEAP Official Title PALAEOCEANOGRAPHY
UCEAP Transcript Title PALAEOCEANOGRAPHY
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description

Climate change is not a modern phenomenon, as Earth's systems are dynamic and rarely stable over extended periods of time. Climate variability occurs across multiple spatial and temporal scales, but we generally lack long enough scientific or historical records to directly measure most long-term patterns of climate change. Palaeoceanography fills this void by providing evidence of past changes in ocean conditions including temperature, salinity, productivity, circulation, and ecology. These variables are typically reconstructed through analyses of the geochemistry, microfossil composition, and organic contents of ancient marine sediments that have either been exposed on land or collected through seafloor drilling. Palaeoceanography offers an opportunity to reconstruct past climate change across timescales, providing a broader context for studying modern climate change.

Language(s) of Instruction
English

Host Institution Course Number
TI3128

Host Institution Course Title
PALAEOCEANOGRAPHY

Host Institution Course Details
https://www.universityofgalway.ie/course-information/module/TI3128

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Geography

Course Last Reviewed

2023-2024

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