

COURSE DETAIL

INTRODUCTION TO OCEAN SCIENCE

Country

Ireland

Host Institution

University of Galway

Program(s)

University of Galway

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Earth & Space Sciences Biochemistry

UCEAP Course Number

119

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO OCEAN SCIENCE

UCEAP Transcript Title

INTRO OCEAN SCIENCE

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course provides an introduction to ocean properties and processes. Topics include processes that exchange energy and water within the Earth system; main sources, sinks, and pathways of material; temperature, salinity, and density structure; temperature-salinity diagram; waves and tide generation; Eulerian and Lagrangian co-ordinate systems; hydrothermal circulation; biogeochemical cycling of oxygen, carbon dioxide and nutrients; biogenic sediments; volume transport and fluxes of material; and instrumentation used in oceanography.

Language(s) of Instruction

English

Host Institution Course Number

EOS213

Host Institution Course Title

INTRODUCTION TO OCEAN SCIENCE

Host Institution Course Details

<https://www.universityofgalway.ie/course-information/module/EOS213>

Host Institution Campus

Host Institution Faculty

School of Natural Sciences

Host Institution Degree

Host Institution Department

Course Last Reviewed

2023-2024

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