

# 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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