

## COURSE DETAIL

### MARINE ENERGY 5

**Country**

United Kingdom - Scotland

**Host Institution**

University of Edinburgh

**Program(s)**

University of Edinburgh

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mechanical Engineering

**UCEAP Course Number**

129

**UCEAP Course Suffix****UCEAP Official Title**

MARINE ENERGY 5

**UCEAP Transcript Title**

MARINE ENERGY 5

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

The seas and oceans appear to offer opportunities for the long term, cost effective, generation of energy. Waves and tidal currents represent high density energy resources which, in the case of the tides, are highly predictable in form. The wave resource, whilst not predictable in a true sense, is more easily forecast than is the wind. The engineering difficulties associated with effective exploitation of the marine resources are considerable, however. This course guides students through the process of understanding the resources and how to best develop and apply techniques for exploitation.

### Language(s) of Instruction

English

### Host Institution Course Number

MECE11009

### Host Institution Course Title

MARINE ENERGY 5

### Host Institution Campus

### Host Institution Faculty

School of Engineering

### Host Institution Degree

### Host Institution Department

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