

# COURSE DETAIL

## MARINE ECOLOGY AND BIODIVERSITY

**Country**

United Kingdom - England

**Host Institution**

University of London, Royal Holloway

**Program(s)**

University of London, Royal Holloway

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

145

**UCEAP Course Suffix**

N

**UCEAP Official Title**

MARINE ECOLOGY AND BIODIVERSITY

**UCEAP Transcript Title**

MARINE ECOL& BIODIV

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

### **Course Description**

The course begins with a brief introduction to the marine environment and oceanography. Following on from this a number of topical subjects are used to illustrate recent developments in the field of marine ecology. The biodiversity and biogeography in the marine environment are illustrated with reference to selected habitats, namely coral reefs and the deep ocean. The biology of the deep ocean, in particular the biology of mid-water and hydrothermal vent communities, includes consideration of technological advances in deep ocean exploration. This theme is developed further in lectures on tracking studies, behavior, and conservation of marine megafauna, e.g. sharks, sea birds, and marine mammals. The topical issues of marine pollution (including plastics pollution), ocean acidification and global climate change is considered with respect to effects on marine biodiversity.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

BS3180

### **Host Institution Course Title**

MARINE ECOLOGY AND BIODIVERSITY

### **Host Institution Campus**

Royal Holloway

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Biological Sciences

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