

# COURSE DETAIL

## ANIMAL DIVERSITY AND EVOLUTION 3

**Country**

United Kingdom - Scotland

**Host Institution**

University of Edinburgh

**Program(s)**

University of Edinburgh

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

135

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

ANIMAL DIVERSITY AND EVOLUTION 3

**UCEAP Transcript Title**

ANIML DIVERS&EVOL 3

**UCEAP Quarter Units**

8.00

**UCEAP Semester Units**

5.30

## Course Description

The course provides students with a modern view of animal diversity and an understanding of how the process of evolution has produced this diversity. Students examine what key features make animals different from the rest of life and the evolutionary significance of these features. They then explore this diversity from different perspectives, including the phylogenetic description of diversity, the general causes of diversification in animals and more detailed examination of the diversification of key animal traits such as immunity, physiology and life-history. Students examine how patterns of diversity at different levels of biological organization, and how the diversity of body plans can be understood in terms of the relationship between evolution and development. The course finally considers the future of animal diversity. Some sessions illustrate approaches and techniques used to examine animal diversity and evolution, emphasizing that this is an active research field.

## Language(s) of Instruction

English

## Host Institution Course Number

BILG09019

## Host Institution Course Title

ANIMAL DIVERSITY AND EVOLUTION 3

## Host Institution Campus

Edinburgh University

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Biology

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