

COURSE DETAIL

EVOLUTIONARY AND ECOLOGICAL GENETICS 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

121

UCEAP Course Suffix**UCEAP Official Title**

EVOLUTIONARY AND ECOLOGICAL GENETICS 3

UCEAP Transcript Title

EVOL&ECOL GENETIC 3

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course studies the processes that underlie evolutionary change in natural populations. Subjects dealt with range from molecular evolution to the genetic consequences of interactions between species, and from variation at single genes to speciation itself. The course provides an integrated view, combining theoretical and experimental approaches to the study of evolution with a consideration of both pure and applied aspects of evolutionary change. There is a strong emphasis on the development of numerical skills needed for the analysis and interpretation of genetic data and a quantitative approach to the study of evolution. Problem based tutorials accompany these lectures. The course then considers a series of special topics including evolution of host-parasite interactions and speciation.

Language(s) of Instruction

English

Host Institution Course Number

BILG09004

Host Institution Course Title

EVOLUTIONARY AND ECOLOGICAL GENETICS 3

Host Institution Course Details

<https://www.ed.ac.uk/global/study-abroad/course/index.php?submitted=yes&showadv...>

Host Institution Campus

Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biology

Course Last Reviewed

2021-2022

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