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 Campus
Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biology

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