

COURSE DETAIL

ECOLOGICAL AND ENVIRONMENTAL ANALYSIS

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies Earth & Space Sciences

UCEAP Course Number

109

UCEAP Course Suffix**UCEAP Official Title**

ECOLOGICAL AND ENVIRONMENTAL ANALYSIS

UCEAP Transcript Title

ECOL&ENVIRO ANALYS

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

To understand the way that ecological and environmental systems function, we often look for associations and seek evidence of causality, or the pattern of interaction between components. We may ultimately seek to establish the nature of these relationships that we can make predictions for other systems or of future change. Reaching robust conclusions requires collection of sound data and proper statistical interpretation. This course equips students with an integrated knowledge of data collection and data analysis, for use in dissertation projects and careers beyond. This course considers the formulation of research questions and four broad themes: survey and sampling; relationships between variables; design, analysis, and interpretation of controlled experiments; and dynamic data and the principles of simulation modelling.

Language(s) of Instruction

English

Host Institution Course Number

ECSC08008

Host Institution Course Title

ECOLOGICAL AND ENVIRONMENTAL ANALYSIS

Host Institution Course Details

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

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Ecological Science

Course Last Reviewed

2021-2022

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