

# COURSE DETAIL

## DATA SCIENCE IN ECOLOGY AND ENVIRONMENTAL SCIENCE

**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

**UCEAP Course Number**

104

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

DATA SCIENCE IN ECOLOGY AND ENVIRONMENTAL SCIENCE

**UCEAP Transcript Title**

DATA SCI: ECOL&ENV

**UCEAP Quarter Units**

8.00

**UCEAP Semester Units**

5.30

**Course Description**

Data science in ecology and environmental sciences teaches quantitative skills including data management, data visualization, programming, simulation, and statistical analysis. The course teaches about the field of data science, and how it applies to the disciplines of ecology and environmental science. Students learn about best practices in data science and contribute to peer learning. Skills are taught using an online problem-based learning approach and in-class tutorials and discussions. Key skill sets in ecological and environmental sciences include quantitative skills such as data manipulation, data visualization, coding, statistics, and simulation - together this skill set can be called data science.

**Language(s) of Instruction**

English

**Host Institution Course Number**

ECSC10038

**Host Institution Course Title**

DATA SCIENCE IN ECOLOGY AND ENVIRONMENTAL SCIENCE

**Host Institution Course Details****Host Institution Campus**

Edinburgh

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Ecological Science

**Course Last Reviewed**

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