

# COURSE DETAIL

## DATA ANALYSIS IN EARTH SCIENCES

**Country**

United Kingdom - Scotland

**Host Institution**

University of St Andrews

**Program(s)**

University of St Andrews

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Earth & Space Sciences

**UCEAP Course Number**

136

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

DATA ANALYSIS IN EARTH SCIENCES

**UCEAP Transcript Title**

DATA ANLYS EARTHSCI

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course covers the principles behind, and practical application of, data handling, visualization, and analysis in Earth Sciences. Statistical training includes understanding data types, data presentation and basic descriptive statistics, probability, hypothesis testing using parametric and non-parametric statistics, correlation and regression, and an introduction to numerical methods and modelling.

## Language(s) of Instruction

English

## Host Institution Course Number

ES3002

## Host Institution Course Title

DATA ANALYSIS IN EARTH SCIENCES

## Host Institution Course Details

[https://www.st-andrews.ac.uk/subjects/modules/catalogue/?meta\\_semester\\_sand=1&m...](https://www.st-andrews.ac.uk/subjects/modules/catalogue/?meta_semester_sand=1&m...)

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Earth Sciences

## Course Last Reviewed

2024-2025

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