

# COURSE DETAIL

## DATA-DRIVEN CHEMISTRY

**Country**

United Kingdom - Scotland

**Host Institution**

University of Edinburgh

**Program(s)**

University of Edinburgh

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Chemistry

**UCEAP Course Number**

114

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

DATA-DRIVEN CHEMISTRY

**UCEAP Transcript Title**

DATA-DRIVEN CHEM

**UCEAP Quarter Units**

8.00

**UCEAP Semester Units**

5.30

## Course Description

This course provides an introduction to processing and analyzing chemistry-derived datasets using computer programming. The course comprises of an introduction to the Python scripting language and its applications within chemistry, including topics such as classifying data, performing statistical analyses, 3D visualization, and curve fitting. This workshop-based course is based around chemically-relevant problems.

### Language(s) of Instruction

English

### Host Institution Course Number

CHEM08031

### Host Institution Course Title

DATA-DRIVEN CHEMISTRY

### Host Institution Course Details

<http://www.drps.ed.ac.uk/24-25/dpt/cxchem08031.htm>

### Host Institution Campus

Edinburgh

### Host Institution Faculty

School of Chemistry

### Host Institution Degree

### Host Institution Department

### Course Last Reviewed

2024-2025

[Print](#)