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 Campus
Edinburgh

Host Institution Faculty
School of Chemistry

Host Institution Degree

Host Institution Department

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