

COURSE DETAIL

STRUCTURAL GEOLOGY AND TECTONICS

Country

United Kingdom - England

Host Institution

University College London

Program(s)

University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Earth & Space Sciences

UCEAP Course Number

109

UCEAP Course Suffix**UCEAP Official Title**

STRUCTURAL GEOLOGY AND TECTONICS

UCEAP Transcript Title

STRUC GEOL&TECTONIC

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces the basic concepts of brittle and ductile deformation processes and how they control the strength, mechanical behavior, and development of structures in the Earth's continental crust and lithosphere. Students develop a basic understanding of the forces driving deformation, and the displacements and strains associated with simple crustal deformations. The course then further develops a more advanced understanding of deformation processes and structures produced by displacement and deformation in the Earth's lithosphere at scales ranging from the tectonic plate scale, down to the crystal lattice scale.

Language(s) of Instruction

English

Host Institution Course Number

GEOL0016

Host Institution Course Title

STRUCTURAL GEOLOGY AND TECTONICS

Host Institution Campus

University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Earth Sciences

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