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 Course Details
https://www.ucl.ac.uk/module-catalogue/modules/structural-geology-and-tectonics...

Host Institution Campus
University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Earth Sciences

Course Last Reviewed
2022-2023

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