COURSE DETAIL

STRUCTURAL GEOLOGY AND TECTONICS
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) Environmental Studies
UCEAP Course Number 139
UCEAP Course Suffix
UCEAP Official Title STRUCTURAL GEOLOGY AND TECTONICS
UCEAP Transcript Title STRUCTURAL GEOLOGY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course covers the principles of rock deformation and the tectonic processes that drive this deformation. The goals of this course are the development of skills in the structural analysis of rock bodies to gain an understanding of the geometries, sequencing, and kinematics of deformational features; and understanding of tectonic principles and controls on rock deformation and mountain building. Students learn how to quantitatively evaluate strain distribution, stress fields, and the failure envelope; how to evaluate structures arising from polyphase deformation; and how to use these skills for geotechnical engineering applications. The course may include compulsory field trips.

Language(s) of Instruction
English

Host Institution Course Number
ES3007

Host Institution Course Title
STRUCTURAL GEOLOGY AND TECTONICS

Host Institution Course Details
https://www.st-andrews.ac.uk/subjects/modules/catalogue/?meta_semester_sand=2&m...

Host Institution Campus

Host Institution Faculty
School of Psychology and Neuroscience

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

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