COURSE DETAIL

IGNEOUS AND METAMORPHIC PETROLOGY
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 105
UCEAP Course Suffix
UCEAP Official Title IGNEOUS AND METAMORPHIC PETROLOGY
UCEAP Transcript Title IGNEOUS& META PETRO
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course provides students with a thorough understanding of the nature and origin of igneous and metamorphic rocks, from their formation and distribution to their geological expressions and associations with particular plate tectonic settings. The course also builds on fundamental concepts of geochemistry and mineralogy to explain phase behavior in high temperature systems using quantitative phase diagrams and approaches. Integral practical classes use both hand specimens and optical mineralogy to understand diagnostic textures - which are used to identify and classify igneous and metamorphic rocks. The course provides an introduction to modern research practice in the fields of igneous and metamorphic petrology.

Language(s) of Instruction
English

Host Institution Course Number
GEOL0011

Host Institution Course Title
IGNEOUS AND METAMORPHIC PETROLOGY

Host Institution Course Details
https://www.ucl.ac.uk/module-catalogue/modules/igneous-and-metamorphic-petrolog…

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Earth Sciences

Course Last Reviewed
2024-2025

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