

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Earth Sciences

[Print](#)