


# UE Petrology

 ECTS  
6 credits

 Component  
UFR PhITEM  
(physique,  
ingénierie, terre,  
environnement,  
mécanique)

 Semester  
Automne

- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** PAX7SRAF

## Presentation

### Description

Description and quantification of the processes that manage magmatic and metamorphic petrology Fractional crystallization - example of large bedded intrusions; Partial melting - trapps and oceanic plateaus; Assimilation, mixing of magmas - magmatic deposits; Basalts from oceanic ridges and oceanic islands; Volcanic rocks of subduction zones; Composition and structure of continental crust; Transformation processes of metamorphic rocks; Metamorphic rocks and their geodynamic context; Metamorphic facies and reconstruction of pressure-temperature conditions; Dating of metamorphic rocks; Alpine metamorphism.

This course is given in English.

### Course parts

UE Petrology - CM/TD

Lectures (CM) & Teaching Unit (UE)

42h

## Useful info



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## Campus

➤ [Grenoble - University campus](#)