


# UE Tectonics and surface processes (2023-2024)

 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:** PAX7SRAB/PAX9SRAB

## Presentation

### Description

This course is on the interactions and feedback relationships between tectonics and climatically controlled surface processes, with a particular emphasis on evolution of mountain belts such as the Alps, Andes or Himalayas. In this context, the timescales on which geological processes shape the surface of the Earth are of great importance. Therefore, the determining the timing and quantifying geological processes through wide range dating techniques are at the core of this course with the objective of modelling landscape evolution. Half of the course will be based on practical exercises, case studies and presentations, so that the students will actively participate in the teaching of this course. The course will be in English.

### Course parts

UE Tectonics and surface processes (2023-2024) - TD	Tutorials (TD)	21h
UE Tectonics and surface processes (2023-2024) - CM/TD	Lectures (CM) & Teaching Unit (UE)	21h

## Useful info



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## Campus

➤ [Grenoble - University campus](#)