


UE Basin analysis

 ECTS
6 credits

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

 Semester
Printemps

- > **Teaching language(s):** English, French
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** PAX8SRAB

Presentation

Description

The goal of the course 'Basin analysis' is to understand the formation and evolution of sedimentary basins. It includes:

- Lectures on the various types of basins in their lithospheric setting (divergent, convergent, transform plate boundaries, intraplate basins).
- Lectures on their sedimentary systems, clastic and carbonate, source to sink processes, diagenesis and thermal evolution, and their implications for energy resources.
- Practical work on the interpretation of sedimentary cores and seismic lines.

Required level: Bachelor level in sedimentology, tectonics and lithospheric dynamics.

Teaching language: Half of the course is given in English, half in French or in English in case at least one student does not understand French.

Course parts

CMTD

Lectures (CM) & Teaching Unit (UE)

48h

Useful info



Campus

➤ [Grenoble - University campus](#)