


UE Numerical Modelling

 ECTS
3 credits

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

 Semester
Automne

- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** PAX9GEAC

Presentation

Description

The objective of this course is to train students in the numerical methods used to solve the classical partial differential equations of the Earth sciences, with methods such as finite difference, finite element, spectral methods, ... This course is structured around theoretical lectures presenting the methods and their numerical properties, and practical work on simple practical problems. The practical application on more complex problems and the deepening of the methods will be approached in the project-oriented UE "Computing and data analysis Project".

Course parts

UE Numerical Modelling - CM/TD	Lectures (CM) & Teaching Unit (UE)	9h
UE Numerical Modelling - TP	Practical work (TP)	15h

Useful info



Campus

› Grenoble - University campus