

## **UE** Scientific computing

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ECTS

3 credits

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

Semester Printemps

- > Teaching language(s): English
- > Open to exchange students: Yes
- > Code d'export Apogée: PAX8SRAJ / PAX9EFAM

## Presentation

### Description

The objective of this module is to acquire the principles of the basic methods of scientific computing and their implementation in computer codes. The methods are presented in a simplified way, insisting on the ideas behind them, then they are implemented in computer programs (in Python or Matlab) on simple examples related to geosciences.

#### Course parts

UE Scientific computing - TD	Tutorials (TD)	12h
UE Scientific computing - CM/TD	Lectures (CM) & Teaching Unit (UE)	6h
UE Scientific computing - TP	Practical work (TP)	9h

# Useful info

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Practical work (TP)	9h





> Grenoble - University campus