

# UE Machine learning for environmental sciences



Level  
Baccalaureate  
+5



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:** PAX9EFAN

## Presentation

### Description

The objective of this course is to provide an introduction to statistical analysis and machine learning in order to help the students apply relevant methods to analyze specific datasets.

Different families of unsupervised and supervised methods will be covered, while also providing a general approach to validate and test results. We illustrate this course with examples from environmental sciences. The datasets correspond to concrete cases of analysis presented in the form of ipython notebook.

### Course parts

UE Machine learning for environmental sciences - CMTD

Lectures (CM) & Teaching Unit (UE)

24h

**Period :** Semester 9

## Useful info



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## Campus

› Grenoble - University campus