

# UE Introduction of geophysical fluids dynamics



Level  
Baccalaureate  
+4



ECTS  
3 credits



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



Semester  
Tous les ans

- > Teaching language(s): English
- > Open to exchange students: Yes
- > Code d'export Apogée: PAX7AMAA / PAX8MEAL

## Presentation

### Description

This course aims at introducing the basic knowledge on the dynamics of geophysical fluids, which are fluids influenced by the rotation of the Earth and by the fact that their density varies along the vertical. Examples are the ocean and the atmosphere. The main balances to which these fluids obey will be presented along with several classical models, such as the shallow-water-model. Applications to the ocean and the atmosphere will be illustrated by observations, laboratory experiments and numerical modelling.

### Course parts

UE Introduction of geophysical fluids dynamics - CMTD

Lectures (CM) & Teaching Unit (UE)

24h

## Useful info

### Place

- > Grenoble



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## Campus

➤ [Grenoble - University campus](#)