

# UE Physics of granular media



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:** PAX7MEAI / PAX8MEAG

## Presentation

### Description

An overview of discrete element simulations, force transmission in granular packings, another vision of soil mechanics, microscopic origins of some constitutive laws, role of the geometry, numerical homogenization, "Tools" for characterizing the microstructure, complex systems and strong coupling.

### Course parts

UE Physics of granular media - CMTD

Lectures (CM) & Teaching Unit (UE)

20h

## Useful info

### Place

- > Grenoble



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## Campus

› Grenoble - University campus