

UE Convection in industrial and geophysical flows



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:** PAX7GI AF / PAX8GI AF

Presentation

Description

Fundamental equations, dimensionless numbers. Forced convection in laminar boundary layers. Internal laminar flows. External and internal natural convection. Turbulent convection in internal and external wall flows. Turbulent convection in free shear flows.

Course parts

UE Convection in industrial and geophysical flows - CMTD

Lectures (CM) & Teaching Unit (UE)

20h

Useful info

Place

- > Grenoble



Campus

› Grenoble - University campus