

UE From solution to solid



Level
Baccalaureate
+4



ECTS
6 credits



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



Semester
Automne

- > **Teaching language(s):** French
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** PAX7NAAD

Presentation

Description

Understanding methods for preparing solids, obtaining one phase from another.

Crystallography, characterisation of the crystalline state.

Aqueous chemistry of cations, hydrolysis, condensation.

Solid-state chemistry, preparation of powders, crystals, ceramics. Thermodynamics of solids. Thermodynamics of defects and non-stoichiometry. Corrosion.

Course parts

UE From solution to solid - CMTD	Lectures (CM) & Teaching Unit (UE)	34,5h
UE From solution to solid - TP	Practical work (TP)	16h
Period : Semester 7		



Useful info

Place

➤ Grenoble

Campus

➤ Grenoble - University campus