

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

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|----------------------------------|------------------------------------|-------|
| 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