Cursus: Science et génie des matériaux
Type: Obl.

Frequency
Every year

Summary
This course introduces the basics behind the processing and sintering of powders, highlighting, additive manufacturing, the use of field and pressure assisted sintering and describing different modelling aspects (MD/FEM).

Content
Please find information on the link below.

Keywords
precipitation; inorganic powders; supersaturation; nucleation mechanism; growth mechanism; aggregation mechanism; characterisation; reactors; sol-gel routes; aqueous; non-aqueous; thermodynamic modelling, kinetic modelling

Assessment methods
Written

Resources
Websites
• https://ccmx.epfl.ch/courses-and-events/advanced-course-from-additive-manufacturing-to-field-assisted-sintering-2019