


 Faculty of Applied Sciences

AMCO2178 Thermo-hydro-mechanical behaviour

[15h] 2 credits

This course is taught in the 1st semester

Teacher(s): Jean-François Thimus
Language: French
Level: Second cycle

Aims

The aim is to describe the thermo-hydro-mechanical behaviour of geomaterials

Main themes

- Thermo-hydro-mechanical coupling in geotechnic
- Behaviour of geomaterials under mechanical or thermal sollicitation

Content and teaching methods

- Hydro-mechanical coupling of fine grained soils
- Thermal behaviour of soil or rock
- Thermo-mechanical aspects for nuclear waste disposal
- Behaviour in natural or artificial freezing conditions
- Numerical modeling

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

- idem AMCO 2175 et AMCO 2176

Other credits in programs

GC23 Troisième année du programme conduisant au grade (2 credits)
 d'ingénieur civil des constructions