



GEO1251 Geology

[30h+60h exercises] 8 credits

Teacher(s): Philippe Sonnet
Language: French
Level: First cycle

Aims

The course examines a certain number of basic concepts that underlie important geological phenomena, and that have practical applications in the spatial perception of our environment.

Main themes

Topics treated in lectures include :

- the constituent minerals of rocks
- the different types of rocks and their mode of occurrence
- the mode of formation of these rocks by magmatic, sedimentary and metamorphic processes
- the deformation of the earth's crust and the resulting structures, at all scales
- the chronological criteria used to reconstruct the history of the earth's crust
- the geology of Belgium and neighbouring areas.

The practical classes are devoted to :

- geological map-reading and three-dimensional interpretation using cross-sections
- macroscopic identification of rocks and their forming minerals.

Other credits in programs

FSA12BA	Deuxième année de bachelier en sciences de l'ingénieur, orientation ingénieur civil	(8 credits)	
GEOG12BA	Deuxième année de bachelier en sciences géographiques	(8 credits)	Mandatory