

3.0 credits	30.0 h + 15.0 h	2q
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Teacher(s) :	Thimus Jean-Francois ; Holeyman Alain ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<ul style="list-style-type: none"> - Impact of geological and hydrogeological parameters to choice site and design of civil works - Presentation of the main geophysical prospecting methods - Building of geotechnical campaign - Control during civil works realisation
Aims :	<p>The aim is to give the main keys to build a geotechnical project</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Content :	<ul style="list-style-type: none"> - Geotechnical cartography - Geophysical methods : resistivity, refraction seismic, microgravimetry, radar, diagraphes - Geotechnical methods : CPT, SPT, boring and sampling, pressiometer, dilatometer, lab tests - Control of geotechnical behaviour for excavation, foundation, fill, settlement, piezometry, inclinometer
Other infos :	<ul style="list-style-type: none"> - Prerequisite : AUCE 1171, AUCE 1172, AUCE 1173, AUCE 1174 - Theoretical cursus, lab visits, case histories
Cycle and year of study :	> Master [120] in Civil Engineering
Faculty or entity in charge:	GC