

5.0 credits	30.0 h + 30.0 h	2q
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Teacher(s) :	van Wesemael Bas ; Vanacker Veerle ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<p>Prerequisites: The course uses the following material: The main lines of atmospheric circulation The endogeneous processes The different types of rocks Elementary notion of exogeneous processes: alteration, hydrological cycle, terrain slides, erosion, soils and ecosystems.</p> <p>Lectures: (8 X 2hrs) 1: introduction (preparation time: 2hrs) 2: Slope processes and its materials (preparation time: 3hrs) 3: Weathering (preparation time: 3hrs) 4: The relation between morphology, soils and surfaces (preparation time: 3hrs) 5: Water erosion (preparation time: 3hrs) 6: Land slides (preparation time: 3 hrs) 7: Slope development as a result of denudation (preparation time: 3hrs) 8: Questions and answers (preparation time: 2hrs)</p> <p>Practical work: The sessions are organised in 8 sessions of 3 hours; a day of field work in one group of students under the supervision of an assistant. PW1/2: Geomorphological analysis from topographic maps PW3: Use of digital terrain models (DTM) in geomorphology PW4: Field preparation PW5: Field work PW6: Analysis of field data PW7& : Geomorphological analysis from aerial photos</p> <p>Personal work Literature review (16 hrs) Field analysis report (20 hrs) With supervision, the possibility of consultations (during the weeks before the deadline dates). Notions acquired: Bibliographic research Capacity to analyse the results of sampling and to describe them clearly in a report.</p>
Aims :	<p>Knowledge: To understand the interaction between morphology, the materials and the exogeneous processes on slopes.</p> <p>Skills: To acquire experience in field work, sampling, sample analysis (A level). To acquire experience in interpretation of material expression and the processes in the scenery morphology from maps and aerial pictures (B level).</p> <p>To be capable of analyzing and interpreting the results of a field campaign. <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>

<p>Cycle and year of study :</p>	<ul style="list-style-type: none"> > Bachelor in Geography : General > Master [120] in Geography : General > Bachelor in Information and Communication > Bachelor in Philosophy > Bachelor in Pharmacy > Bachelor in Computer Science > Bachelor in Economics and Management > Bachelor in Motor skills : General > Bachelor in Human and Social Sciences > Bachelor in Sociology and Anthropology > Bachelor in Political Sciences: General > Bachelor in Mathematics > Bachelor in Biomedicine > Bachelor in Engineering > Bachelor in Physics > Bachelor in Religious Studies > Master [120] in Geography : Climatology
<p>Faculty or entity in charge:</p>	<p>GEOG</p>