UCL Université catholique de Louvain

LGEO1231

2015-2016

Elements of physical geography

5.0 credits	30.0 h + 30.0 h	1q

Teacher(s) :	van Wesemael Bas ;
Language :	Français
Place of the course	Louvain-la-Neuve
Prerequisites :	*The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Main themes :	This course introduces the process, materials and landforms of the main geomorphic systems. First, the exogenous process and their relative intensities will be reviewed for different climatic zones. Then the production of soil and unconsolidated materials through weathering will be discussed and finally, the main geomorphic systems will be reviewed such as hillslopes, rivers, glaciers and coasts.
Aims :	This course introduces the concepts of geomorphology i.e. the interaction between processes, materials and land forms. At the end of the course students should be able to: Describe the most important interactions between process, materials and land forms within the main geomorphic systems (hillslopes, rivers, glaciers and coasts) Interpret the morphology and the dominant processes in a given landscape using topographic maps and aerial photographs Represent the spatial variation in soil characteristics of a hillslope and its impacts on the infiltration rates based on the interpretation of data collected in the field. *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".*
Content :	This is an introductory course in geomorphology, one of the main disciplines in physical geography. The lectures describe the interactions between processes, materials and landforms, while the main geomorphic systems will be introduced i.e. hillslopes, rivers, glaciers and coasts. Practical work focuses on interpretation of landscape forms and dominant processes from topographical maps and aerial photographs ass well as field data collection and analysis.
Other infos :	Prerequisites : None Evaluation : Written exam, course work counts for a third of the final grade. Support : Lecture notes and textbook 'Fundamentals of the Physical Environment' D. Briggs et al. Two copies are available in the library (BSE).
Faculty or entity in charge:	GEOG

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Minor in Geography	LGEOG100I	5	-	
Master [120] in History of Art and Archaeology : General	ARKE2M	5	-	
Bachelor in Geography : General	GEOG1BA	5	LBIR1130	
Minor in Scientific Culture	LCUSC100I	5	-	