

	Pr KAPITAŁ LUDZKI NARODOWA STRATEGIA SPÓJNOŚCI	ojekt współfir Unię Europej Europejskie Społe	iansowany j iską w rama go Fundusz cznego	ch EUROPEJSKA LUROPEJSKI FUNDUSZ SPOŁECZNY	
Course title				ECTS code	
Geomorphology	and science of soil			7.2.0488	
Name of unit adm	inistrating study				
null					
Studies					
faculty	field of study	type	pierwszego	stopnia	
Wydział Chemii	Ochrona środowiska	form	stacjonarne		
		specialty	wszystkie		
	5	pecialization	WSZYSINIE		
Teaching staff					
dr Radosław Wro	óblewski; dr Dawid Weisbrodt				
Forms of classes,	, the realization and number of h	ours		ECTS credits	
Forms of classes				2	
Auditorium classes, Lecture				ECTS credits	
The realization of activities					
classroom instruction				classes - 30 h	
Number of hours				tutorial classes – 2 h	
Lecture: 15 hour			student's own work – 18 h		
The second second second	1-			Total: 50 h - 2 ECTS	
The academic cyc					
2023/2024 summ	ner semester				
Type of course		Languag	je of instru	ction	
obligatory	polish	polish			
Teaching methods	Form an examina	Form and method of assessment and basic criteria for eveluation or examination requirements			
- individual work, discussion moderated		Final eva	Final evaluation		
- multimedia-bas	sed lecture	Grade	Graded credit		
		Assessn	Assessment methods		
		- (mid-	- (mid-term / end-term) test		
		- assig	- assignment work – project or presentation		
	- grade	- graded course credit based on individual grades obtained during the			
	seme	semester			
	The basi	The basic criteria for evaluation			
		Obtaining a	at least 50% o	of the points in the test	
		- a credit fo	or the graphic	al work and the presentation;	
		- active par	ticipation in c	conversation;	
Method of verifyin	ng required learning outcomes	I- obtaining			
Required courses	and introductory requirements				
A. Formal requiren	nents				
B. Prerequisites					
Aims of education	1				
	• • • • • • • • •		- ·		
Learn the main res	search methods used in geomorphology	y and soil scien	ce. To under	stand the general laws of genesis and evolution of relief	



of the Earth's surface. To get acquainted with the main proc	esses and factors of soil formation and their spatial distribution on the globe. Learning				
about the conditions and negative anthropogenic transformation	tions of the pedosphere.				
Course contents					
Course contents					
Characteristics of factors shaping the Earth's surface forms (forms and processes: fluvial, glacial and periglacial, aeolian, processes and forms in the					
sea coastal zone, lake and peat accumulation sediments and forms).					
Human influence on relief and geomorphological processes.					
Characteristics of soil-forming processes and factors and their influence on soil formation.					
Most important types, subtypes and kinds of soils in the world, their genesis, distribution, structure, agricultural usefulness.					
Protection of the lithosphere, potential threats to the soil environment.					
importance of geomorphological and paleopedological studies in reconstruction of natural environment changes.					
Cartographic information sources in geomorphology and soil science.					
The concept of soil and its role in the environment.					
Geomorphological conditions of soil cover formation.					
Division of soil formations and their organoleptic identification.					
The influence of soil use on its agricultural suitability.					
Bibliography of literature					
Bibliography of literature					
Bednarek R., Prusinkiewicz Z., 1999. Geografia gleb, PWN, Warszawa					
Bednarek R., Dziadowiec H., Pokojska U., Prusinkiewicz Z.,	2005, Badania ekologiczno- gleboznawcze. PWN,				
Warszawa					
Klimaszewski M., 1994, Geomorfologia, PWN, Warszawa					
Lindner L. (red.), 1992, Czwartorzęd. Osady. Metody badań. Stratygrafia, Wyd. PAE, Warszawa					
Schealtz R., Anderson S., 2007, Soils, Genesis and Geomo	rphology, Cambridge University Press				
Starkel L (red.). 1999, Geografia Polski – środowisko przyrodnicze, PWN, Warszawa					
Trzcinski w. (red.) 1989, Systematyka Gleb Polski, Roczniki Gleboznawcze, Tom XL, nr 3-4, PWN Warszawa.					
specialization)	Kilowieuge				
	Knowledge				
	Classifies techniques for protecting soils from degradation;				
	Recognises relations between geomorphology and soil science with other scientific				
	Defines basis terms in geometrichelegy and soil science:				
	The student explains in geomorphology and soil science,				
	forming processes:				
	Characteristics of basic geomorphological processes and factors and their impact				
	on				
	Soil formation:				
	Characterise the importance of geomorphological and palaeopedological studies in				
	reconstructions of changes in natural environment.				
	Skills				
	The student uses geomorphological and soil science terminology to a sufficient				
	degree to be able to the use of the literature on the subject in Polish and/or English.				
	Social competence				
	The student demonstrates readiness for individual and social actions including				
	those aimed at maintaining ecological balance and protecting the Farth's resources				
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