

Study program	Study cycle		I study cycle					
	Orientation		Geography in Education					
SUBJECT								
Subject name	Pedogeography							
Subject code	Semester	Subject status	ECTS credits	Contact hours				
FG-106-1	II	Mandatory	5	125				
Prerequisites								
Assigned professors and assistants	Subject Leader	Dr. sc. Edin Hrelja, assistant professor						
	Teaching Assistants							
Subject objectives	<p>The aim of the course is to acquaint students with the origin and development of soil as a natural-historical category, as a special sphere in which various pedogenetic processes take place.</p> <p>Through the course students will learn about the importance of soil in ecosystems, through the role of soil in the creation of organic matter in agriculture and forestry, ecological - regulatory role, source of genetic wealth and geodiversity protection, role in landscape design and appearance, soil role in archaeological research and spatial soil distribution in the world and in Bosnia and Herzegovina.</p>							
SUBJECT CONTENT								
#	Teaching units				Contact hours			
					L	P	S	C
1.	Introduction				2	2	2	1
2.	Soil and its function in ecosystem				2	2	2	1
3.	Soil as threephase system				2	2	2	1
4.	Mineral component of the soil; Petrogenic minerals; Rocks				2	2	2	1
5.	Genesis, composition and division of humus; Underground organisms				2	3	3	1
6.	Soil physics				2	3	3	
7.	Soil chemistry				2			
8.	Partial exam				2	2	2	1
9.	Morphologic properties of soil				2	2	2	1
10.	Pedogenic factors and processes				2	2	2	1
11.	Soil classification				2	2	2	1
12.	Geographic distribution of soils in the World				2	2	2	1
13.	National soil classification in Bosnia and Herzegovina				2	2	2	
14.	Pedogeographical characteristics of Bosnia and Herzegovina				2	2	2	
15.	Use value, degradation and soil protection				2	2	2	
STUDENT WORKLOAD (HOURS)								
Contact Hours	60	Practical work		Seminars	30	Exam study time	10	
Literature – reading	15	Written papers		Other (Consultation)	10	TOTAL	125	
LITERATURA				EVALUATION OF KNOWLEDGE AND CRITERIA				
Mandatory: 1. Resulović, H., Čustović, H., 2002: Pedologija, Univerzitet u Sarajevu, Sarajevo; 2. Drešković, N., Mirić, R., 2017: Regionalna geografija Bosne i Hercegovine I, Univerzitet u				1.	Attendance	5	3	
				2.	Participation on lectures	5	3	
				3.	Partial exam	40	22	
				4.	Seminar	10	5	
				5.	Students project			

Sarajevu, Sarajevo; Optional: 1.Čustović, H., Pedogeografija – Skripta za internu upotrebu studenata odsjeka za geografiju Prirodno-matematičkog fakulteta. 2.Resulović, H., Čustović,H., Čengiđ, I. 2008: Sistematika tla/zemljišta, Univerzitet u Sarajevu 3.Škorić, A. (1986): Postanak, razvoj i sistematika tla, Zagreb;	6.	Final exam		
	1.	Attendance		
	2.	Participation on lectures	40	22
	Total		100	55