

Study program		Study cycle		I study cycle									
		Orientation		Regional and Spatial Planning									
<b>SUBJECT</b>													
Subject name		<b>Soil and vegetation in the regional and spatial planning</b>											
Subject code		Semester		Subject status		ECTS credits	Contact hours						
RPP-307-2		VI		Mandatory		5	125						
Prerequisites													
Assigned professors and assistants		Subject Leader		Dr. Sc. Samir Đug, full professor Dr. sc. Edin Hrelja, assistant professor									
		Teaching Assistants											
Subject objectives		The main goal is to train students to know how to research and process all available materials in the field of soil and vegetation for the needs of regional and spatial planning, as well as to present the processed material in regional and spatial plans.											
<b>SUBJECT CONTENT</b>													
#	Teaching units						Contact hours						
							L	P	S	C			
1.	The functions of the soil ecosystem. Value of soil						2	2	2	1			
2.	Evaluation of soil						2	2	2	1			
3.	Soil assessment methodology						2	2	2	1			
4.	Soil degradation and soil remediation measures.						2	2	2	1			
5.	Application of GIS in soil analysis						2	3	3	1			
6.	Soil classification system in Bosnia and Herzegovina and the World						2	3	3				
7.	Legislative soil protection						2						
8.	Partial exam						2	2	2	1			
9.	Introductory lectures (vegetation)						2	2	2	1			
10.	The importance of vegetation research in regional and spatial planning						2	2	2	1			
11.	Regularity of distribution of vegetation in the horizontal profile						2	2	2	1			
12.	Regularity of distribution of vegetation on the vertical profile						2	2	2	1			
13.	Vegetation of continental biogeographical region						2	2	2				
14.	Vegetation of the Mediterranean biogeographical region						2	2	2				
15.	Vegetation of Euro-Siberian-Boramerical region						2	2	2				
<b>STUDENT WORKLOAD (HOURS)</b>													
Contact Hours		60		Practical work		Seminars		30		Exam study time		10	
Literature – reading		15		Written papers		Other(state)		10		TOTAL		125	
<b>LITERATURE</b>						<b>EVALUATION OF KNOWLEDGE AND CRITERIA</b>							
Mandatory: 1. Resulović, H., Čustović, H., 2002: Pedologija - Opći dio, Univerzitet u Sarajevu; 2. Husnjak, S., Bogunović, M., 2002: Opasnost od erozije tla vodom na poljoprivrednom zemljištu u agrotegijama Hrvatske, Agronomski glasnik 5-6, 267-280. 3. Bogunović, M., Vidaček, Ž., Husnjak, S., Sraka, M., Mihalić, A., 1998: Bonitetno vrednovanje i						1. Attendance		5		3			
						2. Participation on lectures		5		3			
						3. Partial exam		40		22			
						4. Seminar		10		5			
						5. Students project							
						6. Laboratory report							
						7. Colloquium							
						8. Final exam		40		22			
						Total		100		55			

prijedlog zaštite tala primorsko-goranske regije,  
Agronomski glasnik 3.,99-121.  
4.Đug, S., Škrijelj, R., 2009: Biogeografija.  
Prirodnomatematički fakultet Sarajevo.  
5.Škrijelj, R., Đug, S., 2009: Uvod u ekologiju  
životinja. Prirodno-matematički fakultet Sarajevo.

Optional:

- 1.Lončar, J., Cvitanović, M., 2012: (Post)socijalizam i  
okoliš: promjena kulturnog krajobraza Pridravske  
nizine Osjeka u posljednjih pedeset godina,  
Sociologija i prostor, 50., 327-343.
- 2.Rahman, A., Kumar, S., Fazal, S., Siddiqui, A. M.,  
2012: Assessment of Land use/land cover Change in  
the North-West District of Delhi Using Remote  
Sensing and GIS Techniques, Indian Society of  
Remote Sensing, 689-697.
3. Dragičević, N., Karleuša, B., Ožanić, N., 2016:  
Pregled primjene Gavrilovićeve metode (metoda  
potencijala erozije), Građevinar 9., 715-725.