

Study program		Study cycle	Undergraduate study program (first study cycle)				
		Orientation	Tourism and environmental protection				
SUBJECT							
Subject name		Applied hydrography					
Subject code	Semester	Subject status		ECTS credits	Contact hours		
FG-204.12-3	III	optional		3	75		
Prerequisites							
Assigned professors and assistants	Subject Leader	Dr. Sc. Aida Korjenić, associate professor					
	Teaching Assistants						
Subject objectives	To introduce students to the issues of water resources management, as the growing pressures on the natural environment, including water, are the key issue of sustainable development. Through the introduction of Integrated Water Resources Management and the concept of sustainable use of water to gain knowledge about the daily water requirements, consumption and stocks of water. The acquired knowledge from the hydrography of mainland used to give the area. Execute data processing related to elements of the river regime and water balance. Categories of river regime placed in relation of physical geographic conditions a given geographical area.						
SUBJECT CONTENT							
#	Teaching units	Contact hours					
		L	P	S	C		
1	Hydrography - definition, subject and tasks	2					
2	Applied hydrography in the system of geographic sciences	2	1				
3	The importance of water for the environment and a man.	2	1				
4	Fundamentals of Integrated Water Resources Management.	2	1		1		
5	Sustainable use of water.	2	1		1		
6	Legal issues in water management.	2	2				
7	First test	2					
8	Physicalgeographic terms of surface and groundwater	2	2				
9	Hydrometric – concept, tasks and hydrometric monitoring	2					
10	The indicators of water quality.	2	1	2	1		
11	Measuring water levels. Measuring of river flow.	2	1	2	1		
12	Determination of runoff and runoff elements	2	1	2	1		
13	The ratio of water level and water flow.The ratio of river flow and sediment.	2	2	2			
14	Hypsometrical zoning of water in the basin.	2	2	2			
15	Analysis of student seminar papers	2					
STUDENT WORKLOAD (HOURS)							
Contact Hours	45	Practical work		Seminars	10	Exam study time	10
Literature – reading	5	Written papers		Other (state)	5	TOTAL	75
LITERATURE			EVALUATION OF KNOWLEDGE AND CRITERIA				
Required 1. Spahić, M. (2013): Hidrologija kopna Sarajevo publishing, Sarajevo 2. Vučijak B. i sar. (2011): Voda za život: Osnove integralnog upravljanja vodnim resursima, UNDP, Sarajevo Recommended 1. Korjenić, A., Temimović, E.: Praktikum iz Hidrografije kopna I, Prirodno-matematički fakultet u Sarajevu, Sarajevo 2016. 2. Hrelja, H. (2007): Inženjerska hidrologija, Građevinski fakultet Univerziteta u Sarajevu, Sarajevo				PARAMETERS	Maximum Points	Minimum points	
			1.	Attendance	5	3	
			2.	Participation on lectures	5	3	
			3.	Midterm exams	40	22	
			4.	Seminar	10	6	
			5.	Students project			
			6.	Final exam	40	21	
			Total		100	55	