

Subject code: FG-204.12-3	Subject name: A	Applied hydrography
Study cycle: I	Year: II	Semester: III ECTS credits: 3
Status: Optional		Contact hours: 45 Lectures: 30 Exercises: 15
Assigned professor and assistants:	rs Teachers an subject belo	nd associates selected in the field to which the ongs
Prerequisits:	/	
Subject objectives:	managemen environmen developmen Resources water to ga consumption from the h Execute da regime and	uce students to the issues of water resources ent, as the growing pressures on the natura ent, including water, are the key issue of sustainable ent. Through the introduction of Integrated Water Management and the concept of sustainable use o ain knowledge about the daily water requirements on and stocks of water. The acquired knowledge hydrography of mainland used to give the area ata processing related to elements of the river d water bilance. Categories of river regime placed ir of physical geographic conditions a giver cal area.
Teaching units:	 Applied The im The im Fundar Sustain Legal is First te Physica Hydron The ind The ind Measur Determ The rate flow an Hypsor 	graphy - definition, subject and tasks. d hydrography in the system of geographic sciences aportance of water for the environment and a man. mentals of Integrated Water Resources Managemen hable use of water. ssues in water management. est. al-geographic terms of surface and groundwater. metric – concept, tasks and hydrometric monitoring dicators of water quality. ring water levels. Measuring of river flow. nination of runoff and runoff elements. tio of water level and water flow. The ratio of river nd sediment. metrical zoning of water in the basin. is of student seminar papers.
Learning outcomes	s: Knowledge • the sturesourc	





	 Resources Management and the concept of sustainable water use, as well as knowledge of water needs, consumption and water supplies. Skills: the student independently performs tasks related to hydrometry; the student independently performs tasks related to the analysis of the elements of the river regime, the calculation of the water balance, as well as the zoning of waters in the basin for the purpose of proper management of water resources; the student assesses the relationship between physical and geographical factors in the basin, as well as their impact on 		
	the water balance;		
	Competencies:		
	• the student independently interprets hydrological concepts, water properties and characteristics of inland		
	waters;		
	• the student independently determines and causally		
	perceives the water balance in an area and connects it to		
	the proper management of water resources.		
Teaching methods:	Multimedia presentation and discussion (lectures); practical work, educational material analysis and discussion (exercises).		
	Maximum Minimum		
	Points points		
	Attendance53Participation on lectures53		
	Participation on lectures 5 3 Tests 40 22		
	Seminar paper (Practicum) 10 6		
	Final exam 40 21		
Knowledge testing	TOTAL 100 55		
methods with grading	Assessment:		
structure ¹ :	Grade ECTS grade Points scale		
	10 (A) excellent 95 - 100		
	9 (B) very good 85 - 94		
	8 (C) good 75 - 84		
	7 (D) satisfactory 66 - 74		
	6 (E) sufficient 55 - 64		
	5 (F, FX) insufficient 55		

¹ The structure of points and point criteria for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught in accordance with Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton



	Mandatory:		
	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:		
Literature ² :	 Korjenić, A., Temimović, E. (2016): Praktikum iz Hidrografije kopna I, Prirodno-matematički fakultet u Sarajevu, Sarajevo. 		
	 Hrelja, H. (2007): Inženjerska hidrologija, Građevinski fakultet Univerziteta u Sarajevu, Sarajevo Spahić M at all. (2015):Potamološki monitoring na rijekama Bosne i Hercegovine u funkciji upravljanja i prostornog planiranja, Acta geographica Bosniae et Herzegovinae, 3, 		
	plainfailja, Acta geographica Bosinae et Herzegovinae, 5, pp. 31-40		

 $^{^2}$ The Senate of the higher education institution as an institution or a council of the organizational unit of the higher education institution as a public institution determines mandatory and recommended textbooks and manuals, as well as other recommended literature on the basis of which exams are prepared by a special act which is required to be published on its website before the beginning of the academic year in accordance with Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton.