

HYDROLOGY

1	Course Title:	HYDROLOGY	
2	Course Code:	BSM3513-Z	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	5	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	1.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Ali Osman Demir	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	e-posta : aodemir@uludag.edu.tr Telefon: 0 224 2941616 Adres: Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampüsü, 16059, Nilüfer/BURSA	
17	Website:		
18	Objective of the Course:	The objective of this course is to comprehend the basic hydrological processes for improvement and management of agricultural watersheds and perform fundamental hydrological analysis for design of water structures, surface drainage systems, and the projects concerning sustainable use of natural resources (soil and water).	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	perform the measurements of precipitation, evaporation and flow
		2	analyze precipitation, evaporation and flow records
		3	make infiltration analysis
		4	determine design runoff rate of watershed using the methods based on rainfall-runoff relations
		5	estimate the annual water yield of the watershed
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Hydrologic cycle		
2	Rainfall and rainfall measurement	Rainfall measurement at the meteorological station	

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	4	3	4	3	0	2	2	0	3	5	0	0	0	0	0
ÖK2	5	4	3	4	4	0	2	2	0	3	5	0	0	0	0	0
ÖK3	4	3	3	4	5	0	2	2	0	3	5	0	0	0	0	0
ÖK4	4	4	3	4	4	0	2	2	0	3	5	0	0	0	0	0
ÖK5	5	4	3	4	4	0	2	2	0	3	5	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				