DESING OF WASTEWATER COLLECTION SYSTEMS								
1	Course Title:	DESING	OF WASTEWATER COLLECTION SYSTEMS					
2	Course Code:	CEV303	6					
3	Type of Course:	Optional						
4	Level of Course:	First Cyc	le					
5	Year of Study:	3						
6	Semester:	6						
7	ECTS Credits Allocated:	3.00						
8	Theoretical (hour/week):	2.00						
9	Practice (hour/week):	0.00						
10	Laboratory (hour/week):	0						
11	Prerequisites:	-						
12	Language:	Turkish						
13	Mode of Delivery:	Face to f	ace					
14	Course Coordinator:	Prof. Dr.	SEVAL KUTLU AKAL SOLMAZ					
15	Course Lecturers:							
16	Contact information of the Course Coordinator:	Prof.Dr.Gökhan Ekrem ÜSTÜN gokhaneu@uludag.edu.tr Adres: Uludağ Üniversitesi, Mühendislik-Mimarlık Fakültesi, Çevre Mühendisliği Bölümü, Görükle, 16059, BURSA						
17	Website:							
18	Objective of the Course:	To provide the students with the basic information and skills (which are) required in designing the environmental health facilities (Sewer systems) according to hydraulic and technical rules						
19	Contribution of the Course to Professional Development:							
20	Learning Outcomes:							
		1	Acquiring adequate engineering designs in professional sense in the projects of sewer systems and seizing the modern technical development in the design studies related with removing the wastewater.					
		2	Data editing and professional-level engineering. Rehabilitation works on the sewerage systems.					
		3						
		4						
		5						
		6						
		7						
		8						
		9						
	1	10						
21	Course Content:							
10.	T1 (1)	Course Content:						
	Theoretical		Practice					
1	Introduction, General information, was characterization	astewater						
2	Classification of sewerage system							

3	Con	nparis	son of	sewe	rage s	system	<u> </u>											
4				ork sys		,, στστι												
5	Loca	ation	and n	•	r of ch	annels	s, size	d										
6	Flows to incoming sewerage systems, leaking water incoming to the channels							g										
7	Hydraulic calculations of the channels and flows																	
8	Operational equipments of channel Networks, inverted siphons								5,									
9	Repeating courses and midterm exam																	
10	Acc	ccount the rain, the coefficient of time																
11	Flov	vs to	s to stormwater channels															
12	The	calc	ulatior	of the	e stori	mwate	r chan	nels										
13	Spill	Spillways, wastewater pumps (Quiz)																
14	Infrastructure systems of Bursa, characteristics of the infrastructure systems.																	
22	Materials: Projelendirilme Merkezi Yayın 2.Su Temini ve Üniversitesi M 3.Standard Ha							dirilmes Yayınla nini ve esi Ma ırd Har <u>IcGrav</u>	ve Çevre Sağlığı, Karpuzcu M.,Boğaziçi									
Activites							Number Dura				tion (hour) Total Work Load (hour)							
Theore	tical						R			14			2.00			28.00		
Practic	als/L	abs								0			0.00			0.00		
Self stu	ıdy a	nd pr	epera	tion			2		2	740 14			2.00			28.00		
	omeworks											0.00	0.00					
Project									0	0.00			0.00					
	Studies								1/11	74 \ ()()			0.00			0.00		
	bution of Term (Year) Learning Activities to m exams ess Grade								4	10.0			10.00			10.00		
	S Dution of Final Exam to Ouccess Grade								70	00.00			8.00			8.00		
Final E										10000			12.00	12 00			12 00	
Total W				luatio	n Tecl	nnique	s Use	d in th	el								96.00	
Course ECTS (<u> </u>				. 50												3.00	
			10 00	urse _	J											3.00		
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2		0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
			I	_O: L	.earr	ing C	Objec	tives	3	PQ: P	rogra	ım Qu	alifica	tions	3			
Contrib 1 very low 2 low 3 lution Level:		3 [Med	edium		4 High		5 Very High										