	DESIGN OF WAST	EWAT	ER COLLECTION SYSTEMS						
1	Course Title:	DESIGN	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:	2.00							
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.	Gökhan Ekrem ÜSTÜN						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Prof.Dr.Gökhan Ekrem ÜSTÜN gokhaneu@uludag.edu.tr Adres: Uludağ Üniversitesi, Mühendislik 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:	To inform the candidates who will work on the relevant subject.							
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.						
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		10							
21	Course Content:								
		Co	burse Content:						
	Theoretical		Practice						
1	Introduction, General information, wa characterization	astewater							
2	Classification of sewerage system								

3	Con	Comparison of sewerage system																	
4	Cha	Channel network system																	
5		Location and number of channels, sized sections of the channels																	
6		Flows to incoming sewerage systems, leaking water incoming to the channels																	
7		Hydraulic calculations of the channels and flows																	
8		Operational equipments of channel Networks, inverted siphons																	
9	Repeating courses and midterm exam																		
10	Account the rain, the coefficient of time																		
11	Flov	Flows to stormwater channels																	
12	The calculation of the stormwater channels																		
13	Spill	Spillways, wastewater pumps (Quiz)																	
14	Infrastructure systems of Bursa, characteristics of the infrastructure systems.																		
22	Mate										1.Su Getirme ve Kanalizasyon Yapılarının Projelendirilmesi, Samsunlu A, SAM Çevre Teknolojileri Merkezi Yayınları-1997 2.Su Temini ve Çevre Sağlığı, Karpuzcu M.,Boğaziçi Üniversitesi Matbaası 1985 3.Standard Handbook for Civil Engineers, Frederick S. Merritt. McGraw-Hill Book Company. NumberNumberDuration (hour) Total Work								
Activites													Duration (nour)			Load (hour)			
Theore	Theoretical R									14				2.00			28.00		
Practicals/Labs									0				0.00			0.00			
Self stu	Self study and preperation													1.00			14.00		
Homeworks									0				0.00			0.00			
Project	Final Exam								0	б <mark>0</mark> 00				0.00			0.00		
Field Studies									0 40,00						0.00				
Contribution of Lerm (Year) Learning Activities to Midterm exams Success Grade								4							10.00				
Others										0			0.00	0.00			0.00		
Tatal	Final Exams									1					10.00				
Total Work Load										Exams						62.00			
Measurement and Evaluation Techniques Used in the															2.07				
ECTS Credit of the Course														2.00					
25	5 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	B 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	-0: L	earr	ing C)bjec	tives	;	PQ: P	rogra	ım Qu	alifica	tions	5				
ution	Contrib 1 very low 2 low 3 ution Level:		3 N	/led	lium	4 High			5 Very High										