	DESING OF WASTI	EWAT	ER COLLECTION SYSTEMS					
1	Course Title:	DESING	OF WASTEWATER COLLECTION SYSTEMS					
2	Course Code:	CEV3036						
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:	Prof.Dr.Gökhan Ekrem ÜSTÜN						
16	Contact information of the Course Coordinator:	0 224 294 2106 , akal@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						
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	I	10						
21	Course Content:							
		Со	urse Content:					
	Theoretical		Practice					
1	Introduction, General information, was characterization	astewater						
2	Classification of sewerage system							

	lo							
3	Comparison of sewerage system							
4	Channel network system							
5	Location and number of channels, sizections of the channels	zed						
6	Flows to incoming sewerage systems water incoming to the channels	s, leaking						
7	Hydraulic calculations of the channel flows	s and						
8	Operational equipments of channel N inverted siphons	letworks,						
9	Repeating courses and midterm exam	m						
10	Account the rain, the coefficient of tin	ne						
11	Flows to stormwater channels							
12	The calculation of the stormwater cha	annels						
13	Spillways, wastewater pumps (Quiz)							
14	Infrastructure systems of Bursa, characteristics of the infrastructure sy	/stems.						
22	Textbooks, References and/or Other		1.Su Getirme ve Kanalizasyon Yapılarının					
	Materials:		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.					
23	Assesment							
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT					
Midtern	n Exam	1	20.00					
Quiz		2	20.00					
Home \	work-project	0	0.00					
Final E	xam	1	60.00					
Total		4	100.00					
	oution of Term (Year) Learning Activitiess Grade	es to	40.00					
Contrib	oution of Final Exam to Success Grade)	60.00					
Total			100.00					
Measui Course	rement and Evaluation Techniques Us	sed in the						
24	ECTS / WORK LOAD TABLE							

Activites								1	Number			Dura	Duration (hour)			Total Work Load (hour)	
Theoretical								1	14			2.00	2.00			28.00	
Practicals/Labs								(0			0.00	0.00			0.00	
Self study and preperation									14			2.00	2.00			28.00	
Homeworks								(0			0.00	0.00			0.00	
Projects	Projects								0			0.00	0.00			0.00	
Field Stud	Field Studies								0			0.00			0.00		
Midterm ex	Midterm exams								1			10.00	10.00			10.00	
Others	Others								1			8.00	8.00			8.00	
Final Exan	Final Exams									1			12.00			12.00	
Total Work	Total Work Load															96.00	
Total work	Total work load/ 30 hr															2.87	
ECTS Cre	ECTS Credit of the Course															3.00	
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	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	
LO: Learning Objectives PQ: Program Qualifications																	

3 Medium

4 High

5 Very High

Contrib ution Level: 1 very low

2 low