AIR POLLUTION CONTROL ENGINEERING									
1	Course Title:	AIR POL	LLUTION CONTROL ENGINEERING						
2	Course Code:	CEV3032E							
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cycle							
5	Year of Study:	3							
6	Semester:	6							
7	ECTS Credits Allocated:	4.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	1.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	English							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr. S.SIDDIK CİNDORUK							
15	Course Lecturers:	Yok							
16	Contact information of the Course Coordinator:	Prof.Dr. S.Sıddık CİNDORUK Bursa Uludağ Üniv. Müh. Fak. Çevre Müh. Böl. Tel: 2942114 E-mail: cindoruk@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	The course provides necessary knowledge to evaluate and to explain data taken from engineering practices.							
19	Contribution of the Course to Professional Development:	With the gains in this course, the environmental engineer will be able to reach theoretical knowledge that can make technological designs for the control of air pollution and will be able to closely follow current developments in English terms.							
20	Learning Outcomes:								
		1	To have knowledge about air pollution control strategies.						
		2	To define basic removal mechanisms /events of gas and particulate matters.						
		3	To have knowledge of air pollution control equipments.						
		4	To design basic treatment methods of gas and particulate matter removal, and practice design parameters.						
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
	Theoretical		Practice						
1	Introduction, Air Pollution Control St		Examples Practices						
2	Investigation of Particle Characterist	tics	Examples Practices						
3	Settling Chambers		Examples Practices						

4	Cyclones								Examples Fractices									
5	Filters								Examples Practices									
6	Electrostatic Precipitators							Ex	Examples Practices									
7	Wet Scrubbers								Examples Practices									
8	Diffusion, Mass Transfer, 2-Film Theory							Ex	ample	s Prac	tices							
9	·								Examples Practices									
10	·								ample	s Prac	tices							
11	,								ample	s Prac	tices							
12										Examples Practices								
13	NOx/SOx Removal								ample	s Prac	tices							
14								Ex	ample	s Prac	tices							
22	Textbooks, References and/or Other Materials:							Ha 2. Gra 3. Ko	1. Schnelle, Karl B., Air Pollution Control Technology Handbook 2. De Nevers N., Air Pollution Control Engineering, Mc Graw Hill, (1998). 3. Ferruh Ertürk, Hava Kirliliğinde Partikül ve Atık Gaz Kontrolü, Yıldız Teknik Üniversitesi Ders Notları (in Turkish).									
23	Assesm	nent																
_									EIGHT									
Minterna						F	?		00									
	Activites							1	Number			Duration (hour)			Total Work Load (hour)			
Fineane	Finepretisal 1								6 0 1 0 0			2.00 28.00						
Practica	als/Labs							1	14			1.00			14.00			
Selfitsito									40180			3.00			42.00			
Homew	meworks								2			5.00			10.00			
न्सु <u>म</u> ्सू									0 00			0.00			0.00			
Field St	Studies								0			0.00			0.00			
Misteur	envenne	ınd Eva	aluatio	n Tec	hnique	s Use	d in th	ne Hó	lmewo	rk, Qui	iz, Midte	ern 5 n.@EOxa	am, Fir	nal Exa	5 .00			
Others	ers								0				0.00 0.00					
Fina E	Ekams / WORK LOAD TABLE								1			20.00			20.00			
Total W	Il Work Load														119.00			
Total w	al work load/ 30 hr														3.97			
ECTS (TS Credit of the Course												4.00					
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	PQ	1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		
				, ,						0		·	3					
ÖK1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ÖK2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ÖK3	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0		

Examples Practices

4 Cyclones

ÖK4

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LO: Learning Objectives PQ: Program Qualifications

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Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					