MASS TRANSFER											
1	Course Title:	MASS T	RANSFER								
2	Course Code:	CEV203	1								
3	Type of Course:	Optional									
4	Level of Course:	First Cyc	cle								
5	Year of Study:	2									
6	Semester:	3									
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:	None									
12	Language:	Turkish									
13	Mode of Delivery:	Face to face									
14	Course Coordinator:	Prof. Dr. S.SIDDIK CİNDORUK									
15	Course Lecturers:										
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Mühendislik Fakültesi Çevre Mühendisliği Bölümü Tel: 0224 2942114									
17	Website:										
18	Objective of the Course:	The main objective is recognition of contaminants in air, water, and soil environments between different phases or within the same phase.									
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	To have knowledge on establishment of mass balances								
		2	To be able to know the theories about the transition of pollutants between different phases and to make calculations								
		3	To have knowledge about the theories about the movements of pollutants in the same phase and to be able to make calculations								
		4									
		5									
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	I	10									
21	Course Content:										
		Co	ourse Content:								
	Theoretical	1 1 111	Practice								
1	Mass Balance, Basic Definitions: So Steam Pressure, Partition Coefficier										

2	Equilibri Equilibri Conditio	um Sta	ate for	Stabl	e and l		ble										
3	Henry C Medium						е										
4	Isothern	n, Freu	ındlich	, Lan	gmuir												
5	Applicat Applicat																
6	Diffusion	n, Gas	Diffus	ion, L	iquid D	Diffusio	n										
7	Calculat Coefficie Diffusion	ent (KT	K), Ca	alcula		-											
8	Flux Ca with DC	lculatio	n with	MTC	, Flux (Calcul	ation										
9	I. Fick's	Law, I	I. Fick'	's Law	/ Practi	ices											
10	Midterm	Exam	ı														
11	Applicat	ion of	II. Fick	's Lav	w, Mas	s Trar	nsfer										
12	Mass Tr Theory	ansfer	in the	Inter	face, T	wo Fil	m										
13	Universa Model	al Spe	ed Pro	file, C	aussia	an Plui	me										
14		Application on Gaussian Plume Model, Application on Universal Velocity Profile															
Activit	Activites								· ·					hour) Total Work Load (hour)			
Theore								3.	3 Handbook on Atmosphe 200 Diffusion, Han 28, 90R.,								
	als/Labs								0 0.00						0.00		
	AVS SESH	ÆAp era	ation						14 2.00				28.00				
Homew						TR			0			0.00			0.00		
Project	- Гиот					1			2000						0.00		
	ield Studies								0),00			0.00			0.00		
lla-man.	idterm exams								1			10.00)		10.00		
	rhers								0),00			0.00	<u> </u>		0.00		
Tatal		4							20.00			20.00			20.00 86.00		
	Total Work Load								40.00						2.87		
Contribution of Ferni (Year) Learning Activities to Success Glade 30 hr															3.00		
2010	ECTS Credit of the Course								J						J.00		
Total								10	00.00								
Measu Course							d in th	ne									
24	ECTS	/ WO	RK L	OAD	TAB	LE											
25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
ÖK1	3	0	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	3	0	0	
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ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contrib ution Level:	ution				1	s P Medi			m Qu 4 Higl		tions		y High			