	PAR	TICLI	E DYNAMICS						
1	Course Title:	PARTICI	LE DYNAMICS						
2	Course Code:	MAK620	9						
3	Type of Course:	Optional							
4	Level of Course:	Third Cy							
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	5.00							
8	Theoretical (hour/week):	3.00							
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.	ATAKAN AVCI						
15	Course Lecturers:	Prof.Dr.A	utakan Avcı						
16	Contact information of the Course Coordinator:		©uludag.edu.tr / 2242941954/ U.Ü. Müh. Mim. Fak. Mak. ölümü BURSA						
17	Website:								
18	Objective of the Course:	behavior the sepa	d medium under the influence of various forces observe the or of the particles and these particles, due to these forces, aration process to provide information about the theoretical ch, the design.						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	knows that the liquid and solid particles, and related concepts						
		2	defines the size of the particle, knows the distribution of particle						
		3	knows the relative motion gives particle forces, and implements						
		4	knows the processes of particle separation and design						
		5	recognizes that the processes of separation systems, knows the problems and analyzes						
		6							
		7							
		8							
		9							
	On the state of	10							
21	Course Content:		una Cantonti						
\\\\a_c\\	Theoretical	Co	urse Content:						
	Theoretical	oportica	Practice						
1	introduction, particle definition and pr the concepts	•							
2	particle distributions, and size definiti	ons							
3	fluid properties, viscous motion								

	Р	Q1 P	Q2 PQ3	PQ4	PQ5	PQ6 F	PQ7 P	Q8 PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		
25			CON	ITRIE	BUTIO	N OF		RNING ( JALIFIC			S TO I	PROC	SRAM	ME			
ECTS (	Credit	of the	Course											5.00			
Total w														6.57			
Total W														197.00			
Final E	xams							1			3.00	3.00 3.0			3.00		
Others								0			0.00			0.00			
Meash	renga !	hand l	=valuatio	n Tec	hnique	s Used	in the	0			0.00			0.00			
Field St								0			0.00		0.00	.00			
Project	S	<del>21 1 1110</del>	<del>- LAGITI (</del>	<del> </del>		-uuo		100.00			0.00		0.00				
Homew		<u> </u>						8			10.00	10.00 80.00					
Self sty	ution d	d prep	n (Year) eration	Learn	ing Act	ivities t	0	<del>0/92</del>			6.00		72.00				
Practica	als/Lal	bs						0			0.00			0.00			
Final E	xam					1		10ρ <sub>4</sub> 00			3.00			42.00			
Activit						,,,		Numb	er		Dura	ition (	hour)	Total \ Load (			
Midtern	n Exar	n				0		0.00									
_			CTIVITIES	3		NU R	IMBE	WEIGHT									
23	Asses	sment															
Materials:						1. aerosol science and technology, P.C. Reist, McGraw-Hill, New York, 1993 2. Air pollution control engineering, L.K. Wang, N.C.Pereira, Y-T. Hung, Humana Press, New Jersey, 2004											
14	explo	sive a	erosols														
13			of partic	les, vi	able pa	articles											
12			and gro														
11			on and ev				ena										
10	electrostatic controled aerosol kinetics, electrostatic precipitator																
9	partic	les ch	arging m	echan	isms												
8	partic	le diffu	usion, the	ermopl	horesis												
7	browi	an mo	tion and	simple	diffus	ion											
6	isokin cyclor		ampling,	centrif	ugation	n and											
5			nd impad														
4			ion unde				avity										

25		QUALIFICATIONS														
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	4	5	5	4	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0
ÖK3	4	4	4	5	4	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	4	4	3	4	0	0	0	0	0	0	0	0	0	0	0

ÖK5	5	4	4	3	4	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications  Contrib 1 very low 2 low 3 Medium 4 High 5 Very High ution Level:																