FIRE INSTALLATION AND FIRE PROTECTION									
1	Course Title:	FIRE INSTALLATION AND FIRE PROTECTION							
2	Course Code:	MAK4026							
3	Type of Course:	Optional							
4	Level of Course:	First Cycle							
5	Year of Study:	4							
6	Semester:	8							
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. ÖMER KAYNAKLI							
15	Course Lecturers:	Prof.Dr. Muhsin KILIÇ							
16	Contact information of the Course Coordinator:	mkilic@uludag.edu.tr, +90 224 2941953, Uludağ Üniversitesi, Makine Mühendisliği Bölümü, Bursa							
17	Website:								
18	Objective of the Course:	To describe the fire types, to introduce the fire extinguisher systems, to describe the water-based systems and their effectiveness, to examine and identify the types of the fire protection systems							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Identify the fire types						
		2	identify the types of the fire protection systems						
		3	Analyze the advantages or disadvantages of the water-based systems performance.						
		4							
		5							
		6							
		7							
		8							
		9							
		10							
21	21 Course Content:								
107	Course Content:								
			Practice						
1	Basic concepts								
2	Fire types								
3	Regulations	20							
4	Hazardous and flammable substance	55							
5	Fire extinguishing systems								

1	compo	nents															
7	Water-	based	d syster	ns													
8	Sprinkler systems																
9	Sprinkler systems and design																
10	Repeating courses and midterm exam																
11	Fire safety in buildings																
12	Passive fire protection																
13	High buildings																
14	Smoke control																
	Textbooks, References and/or Other Materials:						Te 2.	M. Ozer, Endüstriyel Yangın Tehlikeleri ve Güvenlik Tedbirleri, Ozer Yayınları, İstanbul, 1985. Bursa Büyükşehir Belediyesi Yangından Korunma Yönetmeliği, Bursa, 1997.									
23	Assesr	nent															
TERM LI	EARNII	IG AC	TIVITIE	S			IUMBE	W	EIGHT								
Midterm	Evam					F		40	.00								
	LXAIII																
Quiz		olo st				0		0.0									
	ne work-project 1						_	.00									
Final Ex						1			.00 Numb			Dure	tion /	(hour)	Total V	\/orla	
												Duration (hour)			Load (hour)		
Contribu	Fheoretical Contribution of Final Exam to Success Grade						50	50 00			2.00				28.00		
1 3 7 1 1 1	cticals/Labs						(0			0.00	0.00			0.00		
Self stud	study and preperation								14			1 00	1 00			14 00	
Homew	omeworks								1			9.00	9.00			9.00	
Pr 2i ects	PCT ECTS / WORK LOAD TABLE							(0			0.00				0.00	
Field St	d Studies							0	0			0.00	0.00			0.00	
Midterm	erm exams								1			8.00	8.00			8.00	
Others	ers								7			3.00	3.00			21.00	
Final Ex	Exams							1			10.00	10.00			10.00		
Total W	al Work Load														90.00		
Total wo	al work load/ 30 hr														3.00		
ECTS C	TS Credit of the Course														3.00		
25																	
	PG	1 PG	2 PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
ÖK1	0	3	4	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	
ÖK3	0	0	4	0	0	0	0	0	0	4	0	0	0	0	0	0	
			10.	Loor	l ning (l Jhior) Stive	, r		roara	m Or	ı alifica	tion	<u> </u>		<u> </u>	
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Fixed fire extinguishing systems and basic

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