	MA	CHINE	ELEMENTS						
1	Course Title:	MACHIN	IE ELEMENTS						
2	Course Code:	EKLS21	7						
3	Type of Course:	Optional							
4	Level of Course:	Short Cy	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 f	ace						
14	Course Coordinator:	Öğr.Gör.	ALPTEKİN SEYFİ						
15	Course Lecturers:	Meslek Y elemanla	/üksekokulları Yönetim Kurullarının görevlendirdiği öğretim arı.						
16	Contact information of the Course Coordinator:	Öğr.Gör. aseyfi@u	Alptekin SEYFİ Jludag.edu.tr						
17	Website:								
18	Objective of the Course:	To be ab accordin appropria informati	le to identify Machinery and components. Classify g to the features the machine. To be able to select the ate element for machines. To understand the basic on necessary for Mechanical and Design.						
19	Contribution of the Course to Professional Development:	To ability compone	the design and calculation methods of machine ents.						
20	Learning Outcomes:								
		1	Defines the elements of the machine and the machine.						
		2	Knows the machine types and parts of the machine						
		3	Recognizes the Removable (resolved) and the Unremovable (unresolved) connection elements						
		4	Recognizes the Movement and power transmitting elements						
		5	Defines the load and the forces acting on the machine elements						
		6	Defines the effects of load and the forces acting on elements of the machine						
		7							
		8							
		9							
		10							
21 Course Content:									
		Co	ourse Content:						
Week	Theoretical		Practice						
1	Description of the machine, the mac types	hine							
2	Air force, water power and thermal p machines and their usage areas	ower							

3	Parts	of N	Machi	ne														
4	Remo	ovat	ole (re	solved	d) con	nectio	n elem	ents										
5	screw	screws, bolts, nuts, washers and wedge																
6	Unrer eleme	nov ents	able (unres	olved) conne	ection											
7	weldii conne	ng, : ectio	soldeı on.	ring, b	ondin	g and t	ight											
8	Mach powe	ine r	eleme	ents th	at tra	nsmit r	notion	and										
9	Midte	rm l	Exam															
10	shafts	s an	d bea	rings														
11	Lubrication of machine elements, types of oil and lubrication, oil properties																	
12	Joints	s an	d type	es of jo	oints													
13	Spring	gs a	and ot	her m	achine	e elem	ents											
14	Final	exa	m															
22 Textbooks, References and/or Other Materials: Materials: Activites								ele Me Joł Me Pu Cü	Pechanics of Materials: Ferdinand P. Beer, Rus Johston, Jr.: Mc Graw Hill Book Company. 2. E Mechanics: V.2. Meriam Kraig: Wiley 3. Genera Mechanical: M.Şevki Bayvas: Ministry of Educa Publications. 4. Cisimlerin Mukavemeti, Nurettir Cürün Ministry of Education Publications. COLU Number						RCES: 1 Russell 2. Engine heral ucation ettin DURSE Total V Load (h	vork		
TBRM	HEXAR N	ING	ACTI	VITIES	;		N	UMBE	WB	I GHT			2.00	2.00 28.00				
Practic	als/Lal	bs							0)			0.00	0.00			0.00	
Self stu	udy an	d pr	epera	tion			0		00	4			3.00	3.00			42.00	
Homew	vorks								C)			0.00	0.00				
Project	S yam						1		60)			0.00	0.00				
Field S	Field Studies)			0.00	0.00				
Midtern	n exan	ns of T	orm ()	(oor)	Loorn	ing Act	ivition	to		40.00						10.00		
Others	Others)			0.00			0.00		
Final Exams								60	60 ¹ 00						12.00			
Total Work Load														!	92.00			
Total w	Total work load/ 30 hr									0.01150	monto		luction i	o oorri		3.07		
ECTS (ECTS Credit of the Course															3.00		
	-								Un	dergra	duate	Educat	ion Reg	ulatior	า.			
24	ECT	S/	WO	RK L	OAD	TAB	LE											
25				CON	TRIE	BUTIC	N OF	LE/ C		ING (LIFIC		COME: NS	S TO I	PROC	GRAM	ME		
	Р	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
ÖK1	3		2	3	4	3	4	4	3	3	5	4	4	0	0	0	0	
ÖK2	4		3	4	3	2	5	4	4	3	2	4	3	0	0	0	0	
						1				1	1	1	1		1	1	I	

ÖK4	1	2	4	3	4	4	4	3	2	4	2	2	0	0	0	0
ÖK5	4	2	2	3	3	4	4	2	3	4	4	5	0	0	0	0
ÖK6	5	2	3	3	4	4	3	4	4	1	2	2	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High				