	INTRODUCTIO	ON TO	MACHINE ELEMENTS						
1	Course Title:	INTROD	UCTION TO MACHINE ELEMENTS						
2	Course Code:	MAK209	2						
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	cle						
5	Year of Study:	2							
6	Semester:	4							
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:	No							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Dr. Ögr.	Üyesi GÜLTEKIN KARADERE						
15	Course Lecturers:	Doç. Dr.	Gültekin KARADERE						
16	Contact information of the Course Coordinator:	224-294	e@uludag.edu.tr I1977 F Makine Müh. Bölümü, 16059 Bursa.						
17	Website:								
18	Objective of the Course:	To perfo	duce the machine elements in machine design. orm strength and sizing calculations of machine elements by asic engineering sciences.						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Determination of stresses in machine elements						
		2	Design of welded and bolted joints						
		3	Design of shaft-to-hub connections						
		4	Design of springs						
		5	Design of axles and shafts						
		6	Design of sliding and rolling bearings						
		7	Design of couplings and clutches						
		8	Design of belt drive mechanisms						
		9	Design of gear mechanisms						
	Course Control	10							
21	Course Content:	0-	Nurse Contents						
Week	Theoretical	Co	Practice						
vveek 1	Stress analysis		Fractice						
2	Static loading								
3	Variable loading								
4	Welded joints								
5	Bolted joints								
	Dolled Johns								

6	Shaft-to-hub connections										
7	Springs										
8	Repeating courses and midterm example	m									
9	Axles and shafts										
10	Sliding and rolling bearings										
11	Couplings and clutches										
12	Belt drive mechanisms										
13	Gear mechanisms										
14	Gear mechanisms										
22	Textbooks, References and/or Other Materials:		 Lecture notes (in Turkish), Gültekin Karadere, 2017-2018. Makina Elemanları Teori, Konstrüksiyon ve Problemler (in Turkish) Cahit Kurbanoğlu, 2016. Makina Elemanları ve Konstrüksiyon Örnekleri (in Turkish) Vol. 1,2 and 3, Talat Tevrüz, 2015. Makina Elemanları, Vol. 1/2(in Turkish), Erdem Koç, 2015/2013. Makina Elemanları Çözümlü Problemler (in Turkish), Erdem Koç, 2015. Makina Elemanları Problemleri (in Turkish), İsfendiyar Bakşıyev, Burhan Selçuk, 2012. Makine Elemanları (in Turkish), Osman Yazıcıoğlu, 2011. 								
Activit	tes		Number	tih C Raha	E Konstrüksiyon Örnekleri (in Duration (hour) Load (ho						
Theore	tical		¹ Mischke, R	G Budya	i g Design, J	7.L. 31 Igley, C.IX. 28.00					
Practic	L als/Labs		0).00	0.00					
Self stu	Assesment Jay and preperation		14	2	2.00	28.00					
Homev		l	10	2	2.00	20.00					
Pridiect	≘ Exam	1	30000	C	0.00	0.00					
Field S	tudies		0	C	0.00	0.00					
Midter	₩ ∂ ¥3978ject	10	10100	7	7.00	7.00					
Others	. ,	-	0	C	0.00	0.00					
Final E	xams	12	100.00	7	7.00	7.00					
Total V	Vork Load					90.00					
कृ षस्थिक	ଚିନ୍ଦନ୍ଦି । ଶିଶ୍ର 30 hr					3.00					
ECTS	Credit of the Course					3.00					
Total			100.00			•					
Measu Course	rement and Evaluation Techniques Us	sed in the									
24	ECTS / WORK LOAD TABLE										
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS										
	PQ1 PQ2 PQ3 PQ4 PQ5 PQ	6 PQ7 P	Q8 PQ9 PQ1	PQ11 PC	012 PQ1	PQ14 PQ15 PQ16					

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0

ÖK3	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK9	4	4	4	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	Medi	ium	4 High			5 Very High				