	PLASTIC	FORM	ING OF MATERIALS						
1	Course Title:	PLASTIC	C FORMING OF MATERIALS						
2	Course Code:	MAK4107							
3	Type of Course:	Optional							
4	Level of Course:	First Cycle							
5	Year of Study:	4							
6	Semester:	7							
7	ECTS Credits Allocated:	4.00							
8	Theoretical (hour/week):	3.00							
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. Nurettin Yavuz							
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Tel: 0 224 294 0651 Mail: nyavuz@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	The goals of this coarse is the scientific principles of plastic forming of metals							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Know and understand existing manufacturing methods.						
		2	Select appropriate plastic forming methods for different materials and shapes.						
		3	Calculate necessary maximum plastik deformation force and strength for forming (forging, rolling and extrusion) the sample.						
		4							
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21	Course Content:								
\A/ ·	The same the st	Co	burse Content:						
Week 1	Theoretical Mechanic Behaviour of Materials		Practice						
2	Base of Metallurgy								

3	Base of Metallurgy								
4	Friction and Lubrication								
5	Forging								
6	Forging Problems Solving								
7	Rolling								
8	Repeating courses and midterm exar	m							
9	Rolling Problems Solving								
10	Extrusion								
11	Extrusion Problems Solving								
12									
Activit	Wrenchina es		Number	Duration (hour)	Total Work Load (hour)				
Theore	tical		14	3.00	42.00				
14 Practica	als/Labs		0	0.00	0.00				
Self stu	dy and preperation		14	3.00	42.00				
Homew			0	0.00	0.00				
Project	Materials:		KALPAKJAN,S. 1984 "Nanufacturing Processes for Engineering Materials"						
Field St			0	0.00	0.00				
Midtern	n exams		1	25.00	25.00				
Others			1	16.00	16.00				
Final E	EARING ACTIVITIES	R		25.00	25.00				
Total W	/ork Load				150.00				
Qqijal w	ork load/ 30 hr	0	0.00		5.00				
ECTS	Credit of the Course				4.00				
Final E	xam	1	60.00						
Total		2	100.00						
Contrib Succes	ution of Term (Year) Learning Activitie s Grade	es to	40.00						
Contrib	ution of Final Exam to Success Grade	9	60.00						
Total			100.00						
Measur Course	ement and Evaluation Techniques Us	sed in the							
24	ECTS / WORK LOAD TABLE								

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	0	0	5	4	0	0	0	2	0	3	0	0	0	0	0	0
ÖK2	0	0	5	4	0	0	0	2	0	3	0	0	0	0	0	0
ÖK3	0	0	5	4	0	0	0	2	0	3	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 Iow		3 Medium		4 High			5 Very High						