	MANUFACTURING METHODS											
1	Course Title:	MANUF	ACTURING METHODS									
2	Course Code:	END201	2									
3	Type of Course:	Compuls	sory									
4	Level of Course:	First Cyc	cle									
5	Year of Study:	2										
6	Semester:	4										
7	ECTS Credits Allocated:	2.00										
8	Theoretical (hour/week):	2.00										
9	Practice (hour/week):	0.00										
10	Laboratory (hour/week):	0										
11	Prerequisites:	-										
12	Language:	Turkish										
13	Mode of Delivery:	Face to f	face									
14	Course Coordinator:	Prof. Dr.	Nurettin Yavuz									
15	Course Lecturers:	-										
16	Contact information of the Course Coordinator:	0 224 29 nyavuz@	94 0651 @uludag.edu.tr									
17	Website:											
18	Objective of the Course:	To train stechnolo	students in understanding of manufacturing methods and gy.									
19	Contribution of the Course to Professional Development:											
20	Learning Outcomes:											
		1	Select appropriate manufacturing methods for different materials and shapes.									
		2	Select appropriate casting methods for different materials and shapes.									
		3	Select appropriate plastic forming methods for different materials and shapes.									
		4	Select appropriate welding methods for different materials and shapes.									
		5										
		6										
		7										
		8										
		9										
		10										
21	Course Content:											
10/	Th (' 1	Course Content:										
	Theoretical		Practice									
1	Introduction											
2	Casting Methods											
3	Casting Methods Casting Methods											
4												
5	Casting Materials and Defects											

6	Plastic	Plastic Forming of Metals																	
7	Mecha	echanisms of Plastic Forming of Metals																	
8	Repea	peating courses and midterm exam																	
9	Metho	Methods of Plastic Forming of Metals																	
10	Extrus	sion																	
11	Pipe N	/lan	ufacti	uring															
12	Weldi	ng F	roce	sses															
13	Welda	Weldability																	
14	Powder Metallurgy																		
22	Materials:								2. FC M(3. (O SC 4. Şe	1. ÇİĞDEM,M. 2000 "İmal Usulleri", 2. Materials Science and Engineering: An Introduction Fourth Edition (William D.Callister, Department of Metallurgical Engineering The Universty of Utah)1998 3. Manufacturing Processes and Systems (9th Edition) (Ostwald, Phillip F.; Muñoz, Jairo) 1997 John Wiley & Sons 4. KAYALI,E.S ve ENSARİ,C. 1986 "Metallere Plastik Şekil Verme İlke ve Uygulamaları", 5. DIETER,G.E. 1976 "Mechanical Metallurgy"									
	Activites									Numb	er		Dura	Duration (hour)			Total Work Load (hour)		
Theore Quiz	tical						2		20	14			2.00	2.00			28.00		
Practica)S					14			0			0.00	0.00			0.00		
Self stu Final E	idy and	i pre	epera	tion			1		50	1.d ₀		2.00	2.00			28.00			
Homew										0			0.00	0.00			0.00		
Project	S Jution o	of Te	erm (\	(ear)	l earn	ing Act	tivities	to	50	50.00				0.00			0.00		
	cts ibution of Term (Year) Learning Activities to 5 Studies									0			0.00		0.00				
Midtens	n ry ar)6Fir	nal E	xam to	Suc	cess G	rade		50	100		16.00		16.00					
Others										0		0.00		0.00					
Final E. Measur	xams rement	anc	d Eva	luatio	n Tec	hniaue	s Use	d in th	ne l	1			18.00		18.00				
Total W	ork Lo	ad												90.00					
	2241 wECT&1/30/ORK LOAD TABLE													3.00					
ECTS (S Credit of the Course															2.00			
25			(CON	TRIE	BUTIC	N O			IING LIFIC			S TO I	PROC	GRAM	ME			
	P	Q1 I	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		
ÖK4	0	(0	5	4	0	0	0	2	0	3	0	0	0	0	0	0		

ÖK5	0	0	5	0	0	0	0	2	0	3	0	0	0	0	0	0
ÖK6 0 0 5 0 0 0 0 2 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0																
Contrib 1 very low 2 low ution Level:					2 low		3	Medi	um	4 High			5 Very High			