	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/	Course Content:											
	Theoretical		Practice									
1	Introduction											
2	Casting Methods											
3	Casting Methods Casting Methods											
4												
5	Casting Materials and Defects											

6	Plastic Forming of Metals																		
7	Mechanisms of Plastic Forming of Metals																		
8	Repea	Repeating courses and midterm exam																	
9	Methods of Plastic Forming of Metals																		
10	Extrus	ion																	
11	Pipe Manufacturing																		
12	Welding Processes																		
13	Weldability																		
14	Powder Metallurgy																		
22	Materials:								2. FC Me 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"									
Activit	Assas :es	mant								Numb	er		Dura	Duration (hour)					
																Load (hour)			
Theore Quiz	tical						2		20	20.00				2.00			28.00		
Practic	als/Lab	s							(0				0.00			0.00		
Self stu Final E	idy and xam	prep	oera	tion			1		50	5 0 .00				2.00			28.00		
Homew										0			0.00	0.00			0.00		
Project	ects ribution of Term (Year) Learning Activities to							50	50.00				0.00			0.00			
	I Studies								0			0.00				0.00			
Midtens	ଆଧାନ୍ୟକ୍ଷ୍ୟକ୍ଷ୍ୟ Success Grade 5								50	50100				16.00			16.00		
Others	S									0					0.00				
Final E	al Exams asurement and Evaluation Techniques Used in the							ne	1				18.00			18.00			
Total W	otal Work Load														90.00				
T 224 w	4 wŒOTSS//3WORK LOAD TABLE															3.00			
ECTS (S Credit of the Course															2.00			
25			(CON	TRIE	BUTIC	N O			IING LIFIC		_	S TO I	PROC	SRAM	ME			
	PC	Q1 P	Q2	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 0 5 4 0 0 0 2									3	0	0	0	0	0	0		

ÖK5	0	0	5	0	0	0	0	2	0	3	0	0	0	0	0	0
ÖΚ6 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 ution Level:			2	2 low		3	Medi	um	4 High			5 Very High				