	MANUFACTURING METHODS									
1	Course Title:	MANUFA	IUFACTURING METHODS							
2	Course Code:	MAK301	4							
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	cle							
5	Year of Study:	3								
6	Semester:	6								
7	ECTS Credits Allocated:	5.00								
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 f	face							
14	Course Coordinator:	Doç. Dr.	RUKİYE ERTAN							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Doç. Dr. Rukiye Ertan Bursa Uludağ Üniversitesi Otomotiv Müh. Böl. 16059 Görükle/Bursa e-mail: rukiye@uludag.edu.tr tel: 0 224 2940653								
17	Website:									
18	Objective of the Course:	To give information about the principles of traditional manufacturing methods, introduction of factors affecting manufacturing and application areas.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Students will have a basic knowledge about production methods.							
		2	They can design the production process and propose solutions to production-related problems.							
		3	Gains the ability to determine the method and process for manufacturing a product.							
		4	Have the infrastructure to follow current and contemporary issues in manufacturing methods.							
		5								
		6								
		7								
		8								
		9								
04	Course Content:									
21	Course Content:	0-	purse Content:							
Wook	Theoretical	Co	Practice							
1	Introduction to manufacturing proces	hae sas	1 Taolioe							
ı	basic concepts									

2	Principles of casting technique and						
	classification of casting methods						
3	Sand casting method (pattern, mold, materials)	core					
4	Permanent mold casting, die casting centrifugal casting	•					
5	Principles of metal forming						
6	Forging						
7	Exam						
8	Rolling, Extrusion						
9	Wire drawing, Sheet metal forming						
10	Introduction to joining processes, Oxwelding	yfuel gas					
11	Shielded metal arc welding (MIG/MA Submerged arc welding	G, TIG),					
12	Other welding methods						
13	Soldering						
14	Final Exam						
22	Textbooks, References and/or Other Materials:		John A.S., "Introduction to Manufacturing Processes", Mc GrawHill. Lyndon E., Mark E., "Manufacturing with Materials", Butterworth Scientific. Gültekin N. " Kaynak Tekniği",1996 Yurci M.E., "Talaşsız Şekil Verme", YTÜ Yayınları Kalpakjian S., Schimd S. "Manufacturing Processes for Engineering Materials", 2007				
23	Assesment						
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT				
Midtern	n Exam	1	30.00				
Quiz		1	10.00				
Home v	work-project	0	0.00				
Final E	xam	1	60.00				
Total		3	100.00				
Contribution of Term (Year) Learning Activities to Success Grade			40.00				
Contrib	ution of Final Exam to Success Grade	9	60.00				
Total			100.00				
Measui Course	rement and Evaluation Techniques Us	sed in the					
24	ECTS / WORK LOAD TABLE						

Activites		Number	Duration (hou	r) Total Work Load (hour)					
Theoretical		14	3.00	42.00					
Practicals/L	abs	0	0.00	0.00					
Self study a	and preperation	14	6.00	84.00					
Homeworks	8	1	1.00	1.00					
Projects		0	0.00	0.00					
Field Studie	es	2	8.00	16.00					
Midterm ex	ams	1	2.00	2.00					
Others		0	0.00	0.00					
Final Exam	s	1	2.00	2.00					
Total Work	Load			147.00					
Total work I	oad/ 30 hr			4.90					
ECTS Cred	it of the Course			5.00					
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS									

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	4	5	3	0	3	3	5	4	2	2	1	0	0	0	0
ÖK2	0	4	5	5	0	3	3	5	4	5	2	1	0	0	0	0
ÖK3	0	4	5	5	0	3	3	5	4	5	2	1	0	0	0	0
ÖK4	0	4	5	3	0	3	3	5	4	5	2	1	0	0	0	0
			LO: L	earr	ning (Objec	tive	s P	Q: P	rogra	ım Qu	alifica	tions	<u> </u>		
Contrib ution Level:	ution			2 low		3	Medi	ium	4 High			5 Very High				