	MANUFACTURING METHODS							
1	Course Title:	MANUFA	MANUFACTURING METHODS					
2	Course Code:	MAK301	MAK3014					
3	Type of Course:	Compulsory						
4	Level of Course:	First Cyc	First Cycle					
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	0					
11	Prerequisites:	None						
12	Language:	Turkish						
13	Mode of Delivery:	Face to face						
14	Course Coordinator:	Doç. Dr.	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:	10						
21	Course Content:	0-	purse Content:					
Wook	Theoretical	Practice						
1	Introduction to manufacturing proces	hae sas	1 Taolioe					
ı	basic concepts							

2	Principles of casting technique a classification of casting methods						
3	Sand casting method (pattern, materials)	nold, core					
4	Permanent mold casting, die cas centrifugal casting	sting,					
5	Principles of metal forming						
6	Forging						
7	Exam						
8	Rolling, Extrusion						
9	Wire drawing, Sheet metal formi	•					
10	-	troduction to joining processes, Oxyfuel gas					
11	•	nielded metal arc welding (MIG/MAG, TIG),					
12	Other welding methods	<u> </u>					
13	Soldering						
14	Final Exam	•					
22	Materials:	extbooks, References and/or Other aterials:		John A.S., "Introduction to Manufacturing Processes", Mc GrawHill. Lyndon E., Mark E., "Manufacturing with Materials", Butterworth Scientific. Gültekin N. "Kaynak Tekniği",1996			
Activites			Number	Duration (hou	Total Work Load (hour)		
TERM	LEARNING ACTIVITIES	NUMBE	WEIGHT	3.00	42.00		
	cals/Labs		0	0.00	0.00		
wicterr Self sti	m Exam udy and preperation	1	30,00	6.00	84.00		
Homev		'	1	1.00	1.00		
Froject	work-project is	U	080	0.00	0.00		
Field S	Studies	•	2	8.00	16.00		
Midterm exams			10ρ.00	2.00	2.00		
Others			0	0.00	0.00		
Final Exams			1	2.00	2.00		
Total Work Load			1100.00		147.00		
Total w	Total work load/ 30 hr				4.90		
ECTS	ECTS Credit of the Course				5.00		
24 ECTS / WORK LOAD TABLE							
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS						

PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16 ÖK1 ÖK2 ÖK3 ÖK4

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