

BASIC MANUFACTURING PROCESSES

1	Course Title:	BASIC MANUFACTURING PROCESSES	
2	Course Code:	MKNZ101	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	2.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr.Gör. EROL KILIK	
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.	
16	Contact information of the Course Coordinator:	erolk@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	To teach the basic principles of turning, milling and grinding machines from machine tools used in machine metal and mold manufacturing sector. To gain experience by making studies for their use. To introduce the general principles of machine tools and work equipment used in the field of machinery and metal technology.	
19	Contribution of the Course to Professional Development:	Getting to know machines for manufacturing applications	
20	Learning Outcomes:		
		1	To acquire the knowledge and skills of work equipment and leveling used in the machine manufacturing sector.
		2	To learn the general principles of turning lathe and to learn working system.
		3	To know general principles of milling machine and to learn working system.
		4	To learn the general principles of grinding machines and learn the working system.
		5	Having general knowledge about other machine tools.
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	General introduction to Basic Manufacturing Processes.	Basic Manufacturing Operations	

2	Work Equipment Used in Basic Manufacturing Operations	Basic Manufacturing Operations		
	Work Equipment Used in Basic Manufacturing Processes			
3	turning machine	Basic Manufacturing Operations turning machine		
4	turning machine	Basic Manufacturing Operations turning machine		
5	Milling Machines	Basic Manufacturing Operations Milling Machines		
6	Milling Machines	Basic Manufacturing Operations Milling Machines		
7	Grinding Machines	Basic Manufacturing Operations Grinding Machines		
8	Grinding Machines	Basic Manufacturing Operations Grinding Machines		
9	Other machines and machines used in molding and machine manufacturing sector.	Basic Manufacturing Process applications		
10	Other machines and machines used in molding and machine manufacturing sector.	Basic Manufacturing Process applications		
11	Other machines and machines used in molding and machine manufacturing sector.	Basic Manufacturing Process applications		
12	Manufacturing technology and cutting tools	Basic Manufacturing Process applications		
13	Manufacturing technology and cutting tools	Basic Manufacturing Process applications		
14	Manufacturing technology and cutting tools	Basic Manufacturing Process applications		
22	Textbooks, References and/or Other	Course Notes		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	R	14	2.00	28.00
Midterm Exam	1	20.00		
Practicals/Labs		14	2.00	28.00
Self study and preperation		0	0.00	0.00
Home work project	1	20.00		
Homeworks		0	0.00	0.00
Final Exam	1	50.00		
Projects		0	0.00	0.00
Total	2	100.00		
Field Studies		0	0.00	0.00
Contribution of Term (Year) Learning Activities to Success Grade		1	50.00	50.00
Others		0	0.00	0.00
Final Exams		1	50.00	50.00
Total		100.00		
Total Work Load				156.00
Measurement and Evaluation Techniques Used in the Course		Measurement and evaluation is carried out according to the principles of Bursa uludag University Associate and		
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	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	4	4	4	3	4	4	4	3	4	3	4	0	0	0	0
ÖK2	3	2	3	3	3	3	4	3	3	3	3	3	0	0	0	0
ÖK3	3	3	2	3	2	3	3	2	3	4	2	3	0	0	0	0
ÖK4	3	4	3	3	3	3	3	3	3	4	3	3	0	0	0	0

ÖK5	4	3	4	4	4	3	3	4	4	3	3	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							