

## 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):	0.00	
10	Laboratory (hour/week):	2	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr.Gör. EROL KILIK	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:		
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:		
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:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	General introduction to Basic Manufacturing Processes.	Basic Manufacturing Operations	

<b>2</b>	Work Equipment Used in Basic Manufacturing Processes	Basic Manufacturing Operations
<b>3</b>	turning machine	Basic Manufacturing Operations turning machine
<b>4</b>	turning machine	Basic Manufacturing Operations turning machine
<b>5</b>	Milling Machines	Basic Manufacturing Operations Milling Machines
<b>6</b>	Milling Machines	Basic Manufacturing Operations Milling Machines
<b>7</b>	Grinding Machines	Basic Manufacturing Operations Grinding Machines
<b>8</b>	Grinding Machines	Basic Manufacturing Operations Grinding Machines
<b>9</b>	Other machines and machines used in molding and machine manufacturing sector.	Basic Manufacturing Process applications
<b>10</b>	Other machines and machines used in molding and machine manufacturing sector.	Basic Manufacturing Process applications
<b>11</b>	Other machines and machines used in molding and machine manufacturing sector.	Basic Manufacturing Process applications
<b>12</b>	Manufacturing technology and cutting tools	Basic Manufacturing Process applications
<b>13</b>	Manufacturing technology and cutting tools	Basic Manufacturing Process applications
<b>14</b>	Manufacturing technology and cutting tools	Basic Manufacturing Process applications
<b>22</b>	Textbooks, References and/or Other Materials:	
<b>23</b>	Assesment	
<b>TERM LEARNING ACTIVITIES</b>		<b>NUMBER</b>
Midterm Exam	1	20.00
Quiz	0	0.00
Home work-project	1	20.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		
<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation			
Homeworks			
Projects			
Field Studies			
Midterm exams	1		
Others			
Final Exams	1		
Total Work Load			
Total work load/ 30 hr			
ECTS Credit of the Course			5.00

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							