		CNC MILLING MACHINE TECHNOLOGY								
1	Course Title:	CNC MILLING MACHINE TECHNOLOGY								
2	Course Code:	MKNZ208								
3	Type of Course:	Compulsory								
	Level of Course:	Short Cycle								
-	Year of Study:	2								
	Semester:	4								
7	ECTS Credits Allocated:	4.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	1								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Doç.Dr. ABDİL KUŞ								
15	Course Lecturers:	DOÇ.DR. ABDİL KUŞ								
	Contact information of the Course Coordinator:	abdilkus@uludag.edu.tr, Uludağ Üniversitesi, Teknik Bilimler MYO, Görükle-BURSA Tel: 2942344								
17	Website:									
18	Objective of the Course:	This course is preparation for work with the CNC milling machine, the program aimed to gain the competencies to make writing CNC programs and production.								
	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	To prepare work for the CNC Milling machine							
		2	Write programs for CNC Milling Machine							
		3	Production in the CNC machines							
		4								
		5								
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
	Course Content:									
	Theoretical	arto	Practice							
	CNC Milling machine features and pa		Operation principles of the CNC Milling machine.							
	Types of control panels, buttons, and features.		Coordinate axes of the machine and reference points.							
3	Cutter types, properties and possible	uses.	Tool compensation settings, tool holders.							
4	Resetting properties of the elements	used.	Reset the track to be processed according tothe team.							

5	Tool overall processing account.						Cu	Cutting depth, angle,									
							and progress intreatment.										
6	CNC Milling programming principles						Processing and										
	mac						Pre	Preparation instructions.									
7	Rep	Repeating courses and midterm exam					-										
8		CNC Milling machines motion and coordinate ystem.					e CN	CNC milling machines application.									
9	CNC	CNC programming using cycles.					CN	CNC milling machines application.									
10	Sub	Sub-programming technique and structure.						CN	CNC milling machines application.								
11	Sub-programming technique and structure.						CN	CNC milling machines application.									
12		CNC machines in the alarm and error codes.								•		applica					
13	_	Measuring and control						_				applica					
14	Measuring and control						CN	IC mill	ing ma	chines	applica	tion.					
22	Textbooks, References and/or Other Materials:						2-0 3- 4- 5-0 To Ya	 1-CNC milling operation manual book, 2-CNC milling usage manual book, 3-CNC Milling machine 4-Course notes 5-Gülesin, M., Güllü, A., Avcı, Ö., Akdoğan, G., "CNC Torna ve Freze Tezgahlarının Programlanması", Asil Yayın Dağıtım, Ankara, 2008. 									
Activi	Activites							Number				Duration (hour)					
TERM							: WÉ	МЕВНТ			2.00			26.00			
Practic	acticals/Labs						1	13			2.00			26.00			
Self stu	study and preperation										25.00			25.00			
	eworks						2	2			25.00			50.00			
Project Final F	Cts 1						2	50 00			25.00			50.00			
ТОЛЕН	Studies							0			0.00				0.00		
Contrik	orm exams							50.00			0.00			0.00			
Others							0			0.00				0.00			
	Exams ribution of Final Exam to Success Grade					50	50.00			0.00	0.00			0.00			
	l Work Load																
ECTS			- - - - - -				- 1 1	ملك هذا أم	-17						4.00		
24						ТАВ										4.00	
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25				CON	IRIE					-	ATIO	-	S TO I	PROC	JKAW		
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1		0	1	0	2	0	1	0	1	0	2	0	3	0	0	0	0
ÖK2		4	0	5	0	3	0	2	0	4	0	4	0	0	0	0	0
ÖK3		0	3	0	4	0	5	0	3	0	5	0	3	0	0	0	0
			l	0: L	earn	ing C	bjec	tive	s F	Q: P	rogra	m Qu	alifica	tions	5		•

Contrib ution	1 very low	2 low	3 Medium	4 High	5 Very High
Level:					