

COMPUTER AIDED MANUFACTURING-II

1	Course Title:	COMPUTER AIDED MANUFACTURING-II
2	Course Code:	MKNZ202
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	2
6	Semester:	4
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	2
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
16	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:	The purpose of this course is to learn most used softwares in the Industry and produce parts with the CNC codes after processed tool path.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	The main aim of information about CAM programs,
	2	CAM programs for 3D modeling,
	3	Producing CNC codes using CAD CAM softwares
	4	Data transfer types for the CNC machines
	5	
	6	
	7	
	8	
	9	
	10	
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Computer Aided Manufacturing Program Preparation	The computer guided practice.
2	Computer Aided Manufacturing Program Preparation	The computer guided practice.
3	Computer Aided Manufacturing Program Preparation	The computer guided practice.
4	Computer Aided Manufacturing Program Preparation	CNC milling machines, guided practice.

5	Computer Aided Manufacturing Program Preparation	CNC milling machines, guided practice.
6	Computer Aided Manufacturing Program Preparation	CNC milling machines, guided practice.
7	Repeating courses and midterm exam	-
8	Computer Aided Manufacturing Program Preparation	The computer guided practice.
9	Computer Aided Manufacturing Program Preparation	The computer guided practice.
10	Computer Aided Manufacturing Program Preparation	The computer guided practice.
11	Computer Aided Manufacturing Program Preparation	CNC milling machines, guided practice.
12	Computer Aided Manufacturing Program Preparation	CNC milling machines, guided practice.
13	Computer Aided Manufacturing Program Preparation	CNC milling machines, guided practice.
14	Computer Aided Manufacturing Program Preparation	CNC milling machines, guided practice.

22	Textbooks, References and/or Other Materials:	1- CNC Teknik / Özel Bağcı / Alfa Yayınevi 2- CNC Programlama ve End. Uygulamaları, Ahmet CAN, 2008 3- Gülesin, M / CNC Torna ve Freze Tezgahlarının Programlanması 2004 4- 4- Çeşitli ders notları -DERS ARAÇLARI: -Bilgisayar Lab. donanımı ve alt yapısı
----	---	--

Activities		Number	Duration (hour)	Total Work Load (hour)
Theoretical	R	13	2.00	26.00
Practicals/Labs		13	2.00	26.00
Self study and preparation	0	0	20.00	20.00
Homeworks		2	20.00	40.00
Final Exam Projects	1	50	8.00	8.00
Field Studies		0	0.00	0.00
Contribution of Term (Year) Learning Activities to Success Grade		50	0.00	0.00
Others		0	0.00	0.00
Contribution of Final Exam to Success Grade		50	0.00	0.00
Total Work Load				120.00
Measurement and Evaluation Techniques Used in the Course				4.00
ECTS Credit of the Course				3.00

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	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
ÖK2	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0
ÖK3	0	0	4	0	2	3	0	3	4	0	3	0	0	0	0	0
ÖK4	0	0	0	3	0	0	0	0	0	3	0	0	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