

COMPUTER AIDED PRODUCTION

1	Course Title:	COMPUTER AIDED PRODUCTION	
2	Course Code:	EHAS211	
3	Type of Course:	Optional	
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):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. ABDİL KUŞ	
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.	
16	Contact information of the Course Coordinator:		
17	Website:	----	
18	Objective of the Course:	The production process of a Mechanical, Electronic, Electromechanical part, the necessary, file structures, protocols, establishing connected and connected structures. Understanding the concepts of ERP and MRPII.	
19	Contribution of the Course to Professional Development:	It enables those who take the course to have knowledge about the production process of a Mechanical, Electronic, Electromechanical part and its application.	
20	Learning Outcomes:		
		1	Learning the design and production methods on the 3D design and production program
		2	Learning Solid and Surface Modeling Methods
		3	Producing manufacturing picture page and program
		4	Learning a product design processes and research, design and manufacturing processes and planning
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Introduction to Cad-Cam programs		
2	Creating models in Cad-Cam programs		
3	Creating models in Cad-Cam programs		

4	Determination of processing techniques and order of operation	
5	Cutting tools and metal removal techniques	
6	metal removal operation	
7	metal removal operation	
8	Finish applications	
9	Finish applications	
10	Identifying and cutting remaining metal	
11	Shortening the operation time	
12	Transferring the codes taken from the cam program to the machine	
13		
14		
22	Textbooks, References and/or Other Materials:	
23	Assesment	
TERM LEARNING ACTIVITIES		
	NUMBE R	WEIGHT
Midterm Exam	1	25.00
Quiz	0	0.00
Home work-project	1	25.00
Final Exam	1	50.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00
Contribution of Final Exam to Success Grade		50.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Measurement and evaluation is carried out according to the priciples of Bursa uludag University Associate and Undergraduate Education Regulation.
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	2	10.00	20.00
Homeworks	1	20.00	20.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			88.00
Total work load/ 30 hr			2.93
ECTS Credit of the Course			3.00

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	3	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	4	5	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			