	CADI	N MA	NUFACTURING							
1	Course Title:	CAD IN	MANUFACTURING							
2	Course Code:	EIM5003	3							
3	Type of Course:	Optional								
4	Level of Course:	Second	Cycle							
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	6.00								
8	Theoretical (hour/week):	3.00								
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.	Yahya Işık							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:		uludag.edu.tr 2941919							
17	Website:									
18	Objective of the Course:	In an industrial design for manufacturing, to determine the design criteria, to determine the material selection criteria for the design, to use any CAD program for modeling in the computer environment, perform the analysis in accordance with the manufacturing.								
19	Contribution of the Course to Professional Development:	In an industrial design for manufacturing, to determine the design criteria, to use any CAD program for modeling in the computer environment and to perform the analysis in accordance with the manufacturing								
20	Learning Outcomes:									
		1	To be able to realize the design for manufacturing and to use CAD programs, which are widely used abroad, in line with professional knowledge and at a level that can provide communication.							
		2	To learn about analysis programs.							
		3	To have the knowledge to design based on manufacturing methods.							
		4	To have knowledge about modeling, solid and surface applications, material and manufacturing method selection in design programs.							
		5	To have the knowledge to apply a design program within the scope of professional knowledge.							
		6								
		7								
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		9								
		10								
21	Course Content:									
		Co	purse Content:							
Week	Theoretical		Practice							
1	Definition of the design concept									

2			, syste		and	compu	ter aic	led										
3	Syst	•	tic and		outer	aided o	design											
4				l FEA lufactu		pts in	indust	rial										
5	Use	of FI	EA(FE	M) in	comp	uter ai	ded d	esign										
6	Mate desi		detern	ninatio	n crit	eria in	indust	rial										
7	Mate	erial	select	ion pra	actice	s in de	sign											
8						mensions (wii		ie)										
9		ating Jrams		ce and	solid	model	ls in d	esign										
10		leling grams		-surfa	ce trai	nsitions	s in de	sign										
11	Con	nparis	son of	desig	n pro	grams												
12	Com		son of	desig	n pro	grams	and s	ample										
13	addi	tive r	manuf	acturii	ng													
14	addi	tive r	manuf	acturii	ng apı	olicatio	ns											
22		book erials		ferenc	es an	d/or O	ther			mpute yak)	r aided	d desigr	n princip	oles led	cture no	tes (Dr.	M.	
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME  QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
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ÖK2	5	3	4	4	5	0	0	0	0	0	0	0	0	0	0	0
ÖK3	4	4	5	5	3	0	0	0	0	0	0	0	0	0	0	0
ÖK4	4	4	4	5	3	0	0	0	0	0	0	0	0	0	0	0

ÖK5	3	4	5	5	4	0	0	0	0	0	0	0	0	0	0	0
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