COMPUTER AIDED DRAWING I									
1	Course Title:	COMPU	TER AIDED DRAWING I						
2	Course Code:	MKNZ10	8						
3	Type of Course:	Compuls	sory						
4	Level of Course:	Short Cy	rcle						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	4.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	2							
11	Prerequisites:	Basic te	chnical drawing, machine drawing and skill of using						
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Prof. Dr.	ABDİL KUŞ						
15	Course Lecturers:	Doç.Dr.	Yahya IŞIK,Öğr.Gör. Zafer YILDIZ						
16	Contact information of the Course Coordinator:	yildizzfr@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	Be able to dimension by drawing 2D (two dimensional) mechanical drawings and assembly drawings using CAD program, to use ready to use forms-objects to design 3D (three dimensional) modelling on the CAD program, to print.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Be able to establish CAD program.						
		2	Be able to use CAD program and record files for CAM –CNC machine tools.						
		3	Create shapes using CAD commands						
		4	Be able to draw 2D engineering drawings and assembly drawings on CAD program.						
		5	Be able to dimension 2D engineering drawings and assembly drawings on CAD program.						
		6	Be able to insert ready-made shapes and symbols on 2D engineering drawings and assembly drawings on CAD program.						
		7	Be able to print-plot of the drawings on CAD program						
		8	Be able to make 3D modeling and surface modeling on CAD program.						
		9	Be able to make material designation and render 3D drawings on CAD program.						
		10	Be able to make the calculations of the area-volume centroid on CAD program.						
21	Course Content:	_	•						
		Co	ourse Content:						
Week	Theoretical Practice								

1	The concept and the advantages of C The introduction and use of CAD pro screen and interface, saving of CAD	gram	The use of CAD program								
2	Settings of screen, linetype, layer,toolbox,,coordinate systems on CAM.	CAD-	С	Creating a layer, making measured drawing Measured drawing applications using draw commands							
3	Draw commands (line,multilne,spline,pline,rectangle,poipse,circle,arc, divide,measure,donut,region,hatch).	olygon,ell									
4	Text ,Text style,text edit commands.		Measured drawing applications using draw commands.								
5	Modify -editing commands (properties,erase,copy,explode,mirro ffset, move scale,array,trim,extend,fillet,chamfer, ecth).										
6	Dimension commands and dimension the drawing, 2D(two-dimensional) drapplications.		Measured drawing applications using draw- modify-dimension commands.								
7	Print-plot commands and plotting, be use blocks, creating blocks and to in blocks on the drawing.		fii	Drawing machine parts ,dimensioning, inserting surface finish –shape and position tolerance and print –plotting applications							
8	Repetition of the course			Repetition of the course and practice exam on the computer and CAD program.							
9	Analysis commands (id point,list,dist,	area,	N	leasuring using analysi	s commands area	measurement,					
Activit	es			Number	Duration (hour)	Total Work Load (hour)					
Theore	icahmands.			14	3.00	42.00					
Practic	als/Labs			14	1.00	14.00					
Self stu	enangerenessing calling and me	operation	Τ	10	2.00	20.00					
Homew				1	20.00	20.00					
Project	Invaterial assignment to solids models frendering operations.	,	TIV	Naterial to solid models assignment and repairing applications.							
Field S			ıa	0	0.00						
Midterr	selidimodeling.		Γ	1	10.00	10.00					
Others				0	0.00	0.00					
Final E	xams			1	15.00	15.00					
Total V	Vork Load					121.00					
Total w	ork load/ 30 hr		Ċ	AD programs.	ONIONALIOO I IN	4.03					
ECTS (Credit of the Course			γ × 3 × ×		4.00					
				Students will practice on the computer and CAD program.							
23	Assesment										
TERM	EARNING ACTIVITIES	NUMBE R	WEIGHT								
Midterm Exam 1				30.00							
Quiz		0	0	0.00							
Home v	work-project	1	1	10.00							
Final E	xam	1	6	60.00							
Total		3	1	100.00							
	oution of Term (Year) Learning Activitiens Grade	es to	4	40.00							

Contribution of Final Exam to Success Grade							60.	60.00									
Total								100	100.00								
Measurement and Evaluation Techniques Used in the Course							ne										
24 EC	CTS/	WO	RK L	OAD	TAB	LE											
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS												ME				
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2	5	0	5	0	0	0	0	3	0	0	0	0	0	0	0	0	
ÖK3	5	0	5	0	0	0	0	3	0	0	0	0	0	0	0	0	
ÖK4	5	0	0	0	0	0	0	3	0	3	0	2	0	0	0	0	
ÖK5	5	0	0	0	0	0	0	3	0	3	0	2	0	0	0	0	
ÖK6	5	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0	
ÖK7	5	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	
ÖK8	5	0	4	0	0	0	0	3	0	0	0	2	0	0	0	0	
ÖK9	5	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	
ÖK10	5	0	0	0	0	0	3	3	0	0	0	2	0	0	0	0	
		<u> </u>	LO: L	_earr	ning (Objec	tive	s F	Q: P	rogra	ım Qu	alifica	itions	<u>. </u>	ı	<u> </u>	
Contrib 1 very low				2 low 3 M			Medi	edium 4 High			5 Very High						

ution Level: