COMPUTER AIDET DESING II									
1	Course Title:	COMPU	TER AIDET DESING II						
2	Course Code:	MKNZ207							
3	Type of Course:	Compulsory							
4	Level of Course:	Short Cy	rcle						
5	Year of Study:	2							
6	Semester:	3							
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:	Basic technical drawing, machine drawing and skill of using computer and basic CAD program .							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Öğr. Gör. TOLGA MERAL							
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.							
16	Contact information of the Course Coordinator:	Öğr. Gör. Tolga MERAL tolgameral@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	Be able to create and make drawing, solid modelling, surface modelling, sheet metal modelling, combining parts to make assembly, operating mechanism, 2D engineering drawings of parts and assembly on 3D mechanical CAD program.							
19	Contribution of the Course to Professional Development:	Improving computer aided product design skills.							
20	Learning Outcomes:								
		1	Be able to establish 3D mechanical CAD program.						
		2	Be able to use 3D mechanical CAD program and record files for CAM –CNC machine tools.						
		3	Be able to create shapes using 3D mechanical CAD commands.						
		4	Be able to make 3D modeling , surface modeling ,sheet metal modelling and welding parts modeling on 3D mechanical CAD program.						
		5	Be able to create 2D engineering drawings of modeled part on 3D mechanical CAD program.						
		6	Be able to make analysis procedures of modeled part on 3D mechanical CAD program.						
		7	Be able to print-plot of the drawings on 3D mechanical CAD program						
		8	Be able to make create assembly and association processof modeled part on 3D mechanical CAD program						
		9	Be able to make process simulation and visualization on 3D mechanical CAD program						
		10	Be able to create by designing a simple mechanism , 2D engineering drawings of parts and assembly on 3D mechanical CAD program.						
21	Course Content:								

	Course Content:										
Week	Theoretical		Practice								
1	The advantages of 3D mechanical C programs, The introduction and use mechanical CAD program screen and interface, saving of CAD files.	AD of 3D J	The use of 3D mechanical CAD program								
2	Creating a shape using draw comma resizing shapes and parametric desi	ands, gn	Creating shapes and sizing applications on 3D mechanical CAD program								
3	Solid modeling commands (extrude, sweep, lofted)	revolve,	Solid modelling applications								
4	Solid model editing commands, make changes to the solid model)	Solid modelling applications								
5	Surface modeling and sheet metal r commands	nodelling	Surface modeling and solid modelling with surface modeling applications								
6	Sheet metal modelling and welding modelling commands	part	Sheet metal modelling and welding part modelling applications								
7	Creating a Technical Drawing comma Creation of shop drawing of Modeling	ands . I the part	Drawing machine parts ,dimensioning, inserting surface finish –shape and position tolerance and print –plotting applications								
8	Repetition of the course		pr	actice on the compute	er and CAD progra	m.					
9	Material assignment to solids models Measuring using analysis commands measurement, volume, and centroic measurement, of simple force analys operations.	area sis	Material assignment to solids models ,measuring using analysis commands area measurement , volume , and centroid measurement applications								
Activit	es			Number	Duration (hour)	Total Work Load (hour)					
Theore	rangular motion relations on the asse Make to changes on the assembly file	moly . e and	a	plications	2.00	28.00					
Practica	als/Labs			14	2.00	28.00					
Se lf stu	Ready-standard parts place over the		P	agts merge, association	on Collision detections	9.00 ^{d the}					
Homew	vorks			1	10.00						
Project	mechanism is made .			0	0.00	0.00					
Field S	tudies			0	0.00	0.00					
Midtern	na samb led , numbering, partlist editir	ig,		1	10.00	10.00					
Others				0	0.00	0.00					
Final E	Cleating technical and assembly dra	wing	a	nd assembly drawing a	pplieations.	10.00					
Total W	/ork Load					101.00					
Total w	Prextbooks, References and/or Other		S	OLIDWORKS-CATIA-I	NVENTOR-TOPSC	21 <u>83</u>					
ECTS (Credit of the Course					3.00					
			laboratory of CAD. Students will practice on the computer and CAD program.								
23	Assesment		1								
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT								
Midterm Exam 1				25.00							
Quiz		0	0.00								
Home v	work-project	1	15.00								
Final E	xam	1	60.00								
Total		3	100.00								
Contribution of Term (Year) Learning Activities to Success Grade				40.00							

Contribution of Final Exam to Success Grade	60.00
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

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
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	0	0	0	0	0	0	0	0	0
ÖK3	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	5	0	5	0	0	0	0	0	0	4	0	2	0	0	0	0
ÖK5	5	0	0	0	0	0	0	3	0	4	0	2	0	0	0	0
ÖK6	5	0	0	0	0	0	0	3	0	4	0	2	0	0	0	0
ÖK7	5	0	0	0	0	0	0	3	0	4	0	2	0	0	0	0
ÖK8	5	0	0	0	0	0	4	3	0	4	0	2	0	0	0	0
ÖK9	5	0	0	0	0	0	0	3	0	4	0	2	0	0	0	0
ÖK10	5	0	0	0	0	4	4	3	0	4	0	2	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ontrib 1 very low 2 lo ition .evel:			2 low		3 Medium			4 High			5 Very High				