COMPUTER AIDED DESING

1	Course Title:	COMPUTER AIDED DESING
2	Course Code:	ELES114
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:	Basic technical drawing, information about construction profession drawing and ability of computer usage
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. BETÜL SULTAN YILDIZ
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.
16	Contact information of the Course Coordinator:	Öğr.Gör. Zafer YILDIZ
17	Website:	
18	Objective of the Course:	Making the 2D-3D drawing of architectural and construction project by the help of using three dimensional architectural programs, using the ready made objects, creating map section and being quantity.
19	Contribution of the Course to Professional Development:	It enables those who take the course to draw and dimension machine and vehicle parts using 3D CAD programs.
20	Learning Outcomes:	

	1	Set-up the architectural CAD programs
	2	Set-up the 3D CAD (ArchiCAD) programs
	3	Creating objects and flor plannig with using ArchiCAD commands.
	4	Creating cross-sectional, side view and to create detail views n the Archicad program
	5	Dimensioning to flor planning with Archicad programs.
	6	Adding ready-made shapes on the architectural and constructional images in Archicad program.
	7	Three-dimensional view drawings from the ArchiCAD program.
	8	Create visual appearances in ArchiCAD program.
	9	Creating map sectioning and print out from Archicad program.
	10	Make the calculations of area, volume and quantity in ArchiCAD programs.

21	Course Content:	

Course Content:	

Week	Theoretical	Practice
1	Introduction and use of ArchiCAD architectural design program.	

2	Fold settings, -axis settings- wall drawing, columns, beams drawing and drawing of floor in ArchiCAD.			
3	Fold settings, -axis settings- wall drawing, columns, beams drawing and drawing of floor in ArchiCAD.			
4	Design which is about building , Adding ready-made objects (windows, doors, furniture etc.) from the library on the room or terrace.			
5	Design which is about building , Adding ready-made objects (windows, doors, furniture etc.) from the library on the room or terrace.			
6	Drawing basic design in Archicad program, creating roof and roof window, generating terrain			
7	Stairwell, stair making in Archicad program.			
8	MIDTERM			
9	Desig extras for Archicad program (jamb, balustrade etc.)			
10	Floor plans, sections, facades and details the creation and measurement of appearance			
11	Map Section editing			
12	Qantity applications			
13	Desing of steel construction building in			

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	14	2.00	28.00
Homeworks	1	28.00	28.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	3.00	3.00
Others	0	0.00	0.00
Final Exams	1	3.00	3.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

| **22** | Textbooks, References and/or Other | ARCHİCAD 9-SALİH OĞLUOĞLU |

TERM LEARNING ACTIVITIES	NUMBE	WEIGHT
Midterm Exam	1	20,00
Home-work-project	1	20,00
Total	3	100.00

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	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	5	4	0	0	0	0	0	5	0	0	0	0	0
ÖK5	0	0	0	5	4	0	0	0	0	0	5	0	0	0	0	0
ÖK6	0	0	0	5	0	0	0	0	0	0	5	0	0	0	0	0
ÖK7	0	0	0	5	0	0	0	0	0	0	4	0	0	0	0	0
ÖK8	0	0	0	5	0	0	0	0	0	0	3	0	0	0	0	0
ÖK9	0	0	0	5	5	0	0	0	0	0	5	0	0	0	0	0
ÖK10	0	0	0	5	0	0	3	0	0	0	4	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		