CAD I

1	Course Title:	CAD I
2	Course Code:	INTZ202
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	2
6	Semester:	4
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 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:	Öğr. Gör. BİLAL BİNGÖLBALİ
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.
16	Contact information of the Course Coordinator:	Öğr. Gör. Bilal BİNGÖLBALİ bilalb@uludag.edu.tr
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:	With this course, the ability to make 2D and 3D products and architectural designs in the Autocad program, as well as to visualize these designs is gained.
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.	Basic Archicad applications.

No	Topic	Description
2	Fold settings, -axis settings- wall drawing, columns, beams drawing and drawing of floor in ArchiCAD.	Design of basic building with AchiCAD commands.
3	Fold settings, -axis settings- wall drawing, columns, beams drawing and drawing of floor in ArchiCAD.	Design of basic building with AchiCAD commands.
4	Design which is about building , Adding ready-made objects (windows, doors, furniture etc.) from the library on the room or terrace.	Design of basic building with AchiCAD commands.
5	Design which is about building , Adding ready-made objects (windows, doors, furniture etc.) from the library on the room or terrace.	Design of basic building with AchiCAD commands.
6	Drawing basic design in Archicad program, creating roof and roof window, generating terrain	Design of basic building with AchiCAD commands.
7	Stairwell, stair making in Archicad program.	Design of basic building with AchiCAD commands.
8	MIDTERM	
9	Desig extras for Archicad program (jamb, balustrade etc.)	Design to basic building with Archicad commands.
10	Floor plans, sections, facades and details the creation and measurement of appearance	Floor plans, building and scaling-sectional-view-detail
11	Map Section editing	Regularization of quantity with flor planning.
12	Qantity applications	Finding building quantity with CAD program.
13	Desing of steel construction building in	Desing of basic steel construction building

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

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	10	2.00	20.00
Homeworks	1	15.00	15.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	15.00	15.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			126.00
Total work load/ 30 hr			4.20
ECTS Credit of the Course			4.00

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	Practice, Quiz, Sample Problems

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