COMPUTER AIDED DRAWING

1	Course Title:	COMPUTER AIDED DRAWING
2	Course Code:	INTZ201
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	2
6	Semester:	3
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. ALAADDIN BAKIR
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Öğr.Gör. Zafer YILDIZ
17	Website:	
18	Objective of the Course:	Drawing 2D (two dimensional) of architectural and construction project and dimensioning by the help of using the basic cad program, using the ready made objects, Make 3D (three-dimensional) modeling in CAD program
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	Set-up the CAD programs
	2	Set-up the CAD (AutoCAD) programs
	3	Being objects by using CAD commands
	4	Drawing of 2D architectural and construction in Autocad program.
	5	Dimensioning of 2D architectural and construction drawing in Autocad program.
	6	Adding ready-made shapes on the architectural and constructional images in Autocad program.
	7	Taking print out of the drawings from the CAD programs.
	8	Make three-dimensional solid modeling and surface modeling in Autocad program.
	9	Material assignment to three dimensional drawing and able to render the process.
	10	Make the calculations of area, volume and quantity in CAD programs.

21	Course Content:	

Course Content:		
Week	Theoretical	Practice
1	Package Program Setup	Autocad programs usage
2	CAD programs commands	Create layers, measured drawings

3	CAD programs commands	Drawing application with Draw commands
4	CAD Program Drawing Settings, Toolbars	Drawing application with Draw commands
5	Basic Computer Operations	Draw-Modify komutları ile çizim uygulamaları
6	Detail Drawing	Drawing application with Draw-Modify –Dimension commands.
7	Detail Drawing	Floor plan drawing, dimensioning, furnishing and print out applications
8	Repeating courses and midterm exam	
9	Detail Drawing	Being quantity application by make calculation of area and volume with analysis commands.
10	Detail Drawing	3D drawing applications
11	Dimensioning commands	3D drawing applications
12	Furniture and Screening	Material assignment render the process.
13	Last Transactions	Design to 3D solid modeling of basic building.
14	Take Output Transactions from printer	Being roof with surface modeling
22	Textbooks, References and/or Other Materials:	AUTOCAD 2004-Zafer YILDIZ Autocad 2007 - AutoCad 2009
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBE	WEIGHT

Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	2.00	28.00
Home work-project	1	15.00		
Practicals/Labs		14	2.00	28.00
Self study and preperation		13	2.00	26.00
Total	3	100.00		
Homeworks		1	30.00	30.00
Projects		0	0.00	0.00
Success Grade				
Field Studies		0	0.00	0.00
Midterm exams		1	15.00	15.00
Total		100.00		
Others		0	0.00	0.00
Final Exams		1	20.00	20.00
Course				
Total Work Load				162.00
Total work load/ 30 hr				4.90
ECTS Credit of the Course				4.00

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	0	0	0	0	0	0	3	0	0	0	0	0
ÖK10	0	0	0	5	0	0	0	3	0	0	3	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