



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Computer Aided Design of Agricultural Buildings							
Course Code		ZTY512		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	7	Workload	175 ( <i>Hours</i> )	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		Teaching Computer-aided design and the concepts. General-purpose CAD systems using AutoCAD software product for teaching students how to design							
Course Content		Computer-Aided Design, all kinds of design applications using the classic tools of drawing directly perform a computerized environment. Literature, CAD (Computer Aided Design) is known as. Course CAD, CAM, CNC, CAD / CAM or CIM, the design process as well as learning the basic concepts of computer-aided design, current CAD systems to design on AutoCAD software and other software for the industry to recognize the covers							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Project Based Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Lec. Yasin MERCAN							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	KOÇ, K.H., 2010: Bilgisayar Destekli Tasarım Ders Notları,
2	İ.Ü.Orman Fakültesi, OEM Bölümü, Ders Notları, Yayınlanmamış, İstanbul, Şubat 2010
3	AUTOCAD ile ilgili güncel yayınlar ve ilgili web siteleri.

Week	Weekly Detailed Course Contents	
1	Theoretical	Computer Aided Design (CAD), basic concepts, benefits and introduction of AutoCAD environment
2	Theoretical	Evaluation of CAD systems. Design related factors. Coordinate system in AutoCAD
3	Theoretical	CAD and Computer Integrated Manufacturing (CIM). Introduction to Basic drawing commands
4	Theoretical	Introduction to Object capture commands
5	Theoretical	Introduction to Object-editing commands
6	Theoretical	Integration of CAD and related concepts
7	Theoretical	CAD systems for the agricultural buildings
8	Theoretical	Surface coating, the layer concept
9	Intermediate Exam	MID-TERM EXAM
10	Theoretical	Measuring techniques
11	Theoretical	Model creation, view and change aspects of the transition to drawing commands from the presentation
12	Theoretical	Complex objects, drawing and editing applications
13	Theoretical	AutoCAD in the overall assessment of capabilities of recent developments
14	Theoretical	Integrative drawing applications
15	Theoretical	Application for the drawing to summarize practices
16	Final Exam	FİNAL EXAM

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	8	3	154
Midterm Examination	1	7	2	9



Final Examination	1	10	2	12
Total Workload (Hours)				175
[Total Workload (Hours) / 25*] = ECTS				7
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Computer Aided Design (CAD) know the basic concepts related.
2	It can track developments in the CAD area and evaluate CAD systems.
3	Knows design of the basic concepts affecting
4	Knows the basic structure of the software-AutoCAD, follow the development
5	AutoCAD software to design a product. models as three-dimensional
6	AutoCAD software required for the production of a detailed drawing and dimensioning of the product makes

### Programme Outcomes (Agricultural Structures and Irrigation Master)

1	Ability to use, evaluate and improve the knowledge gained from field of study at an expert level
2	Ability to reach necessary the knowledge
3	To able to conduct scientific studies (research) related to the field
4	Ability to consider academical and ethical values the studies
5	Ability to improve editing method and evaluate the results of researches
6	The studies, the ability to reach result and application, develop new approaches
7	A topic in the field of written, verbally and visually as the ability to express
8	Effective use of Turkish language and ability to communicate in a foreign language both written and verbal

### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6
P1	4	5	5	4	4	5
P2	5	5	4	4	4	4
P3	5	4	5	4	5	4
P4	5	4	5	5	4	4
P5	4	4	4	5	4	4
P6	5	5	4	5	5	5
P7	5	5	4	5	4	5
P8	5	4	4	5	5	4

