AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Computer Aided Design of Agricultural Buildings								
Course Code	ZTY512		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	7	Workload	175 *(Hours)*	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 *(Field Crops Master)*	
1	To be able to improve and deepen the level of expertise in field crops on the basis of the departments licenses qualifications.
2	To be able to recognize the subjects related to field crops, to be able to solve these and make interpretation.
3	To be able to have the skills of acting independently, to have power to decide and to create.
4	To be able to work in teams between departments
5	To be able to give briefing about latest information of Field Crops in written, oral and visual ways.
6	To be able to take responsibility for developing the new approaches and to formulate a solution facing unforeseen complex situations of applications,
7	To be able to defend the original opinions in both Turkish and in foreign languages by using these languages and communicating effectively.
8	To be able to contribute to science by producing knowledge for the aim of improving quality, efficiency and sustainability
9	To be able to apply breeding methods in order to improve new varieties for Field Crops.
10	To be able to maintain and select the appropriate statistical methods within the framework of the study, evaluation of scientific ethics; to convert the results into a report/dissertation and to offer them by producing scientific publications.

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	2	3	2	2	2	3
P2	2	3	2	2	2	2
P3	2	3	2	2	2	2
P4	2	3	2	2	2	2
P5	2	3	2	2	2	2
P6	2	3	2	3	2	3
P7	2	3	2	3	2	3
P8	2	3	2	3	2	3
P9	2	3	2	3	2	3
P10	2	3	2	3	2	3