



**AYDIN ADNAN MENDERES UNIVERSITY
KOÇARLI VOCATIONAL SCHOOL
MECHANICAL AND METAL TECHNOLOGY
AGRICULTURAL MACHINERY
COURSE INFORMATION FORM**

Course Title	Computer Aided Design-I								
Course Code	TAM120			Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	To gain the ability to draw computer aided two dimensional drawings is aimed in this course.								
Course Content	File menu, view commands, units, user coordinate systems, drawing settings and draw commands, drawing aids, isometric perspective, modify commands, layers, dimensioning, block, import object, drafting, assembly drawing, layout and plot.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Reference book, AutoCAD2009 (Murat CAN)
2	Reference book, AutoCAD2011 (Mehmet ŞAMİL)
3	Computer Aided Drawing Tutorials (MEGEP)
4	Autocad Application Pages (Murat CAN)

Week	Weekly Detailed Course Contents	
1	Theoretical	Knowing program interface and options. Using file, edit, and view menu tools.
2	Theoretical	To arrange drawing area, using file, edit, view and format menus.
3	Theoretical	Using user coordinate systems and drawing aids.
4	Theoretical	Using draw tools and drawing aids.
5	Theoretical	Using draw tools and drawing aids.
6	Theoretical	Line, point and text styles and properties. Working with layers.
7	Theoretical	Using modify tools.
8	Intermediate Exam	Midterm exam.
9	Theoretical	Using modify tools.
10	Theoretical	Using dimension tools.
11	Theoretical	Making and inserting blocks.
12	Theoretical	Creating views and drafting.
13	Theoretical	Drafting and assembly drawing.
14	Theoretical	Drafting and assembly drawing.
16	Theoretical	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	4	4	0	16
Laboratory	10	2	0	20
Midterm Examination	1	3	1	4



Final Examination	1	3	1	4
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To be able to make two dimensional Computer aided drawing.
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Programme Outcomes (Agricultural Machinery)

1	To be able to comprehend social, cultural and societal responsibility and keep up with national and international up contemporary issues and developments.
2	To be able to be bounded to the Atatürk nationalism, adopted to the national, ethic, spiritual and cultural value of the Turkish Nation, opened to the universal and modern development, adopted the richness, deep seated and productive properties of the Turkish language, having language sympathy and awareness, having reading pleasure and habit and having sufficient foreign language for their vocational necessities, In the directions of the Atatürk Principles and Revolutions,
3	To be able to recognize the basic computer hardware and operating systems , knowledge of internet usage being able to prepare documents, electronic tables and presentation by using office programs.
4	To be able to be aware of ethic responsibility and vocational profession and to have consciousness of a lifelong learning concept
5	To be able to know current vocational issues and to have skill to define and interpret them.
6	To be able to be aware of the universal and social dimensional effects in engineering solutions, and to be able to have knowledge about entrepreneurship and newfangledness.
7	To recognize the materials which used for preparation of agricultural machinery and have skill for the choosing the appropriate material.
8	To be able to acquire the skill of using the necessary tools and equipments which are used in the production and maintenance of agricultural machinery.
9	To be able to prepare the agricultural tools and machineries, to determine the breakdowns and to do periodic maintenance and repairs.
10	To be able to comprehend the picture of the agricultural tools and machinery and their fabrication , and have the skill to draw them via computer.
11	To be able to assemble and to combine machinery pieces by using demountable and nondetachable junction methods.
12	To be able to have the skill of resistance calculations of the agricultural tool and machinery on computer.
13	To be able to test and control the suitability of new machines and mechanic equipment to the definite standards and technical properties.
14	To be able to have general knowledge of agricultural production.
15	To be able to have knowledge of basic sciences.

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

	L1
P3	1
P4	2
P6	2
P7	3
P10	5
P11	4
P12	2
P13	3

