



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Technical Drawing							
Course Code		TAM115		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		To gain the ability to graph and read the mechanical drawings is aimed with this lesson.							
Course Content		The description and importance of mechanical drawing, drawing tools, geometrical drawings, projection view extraction, sectioning, dimensioning, signs of surface treatment, tolerances, drafting and assembly drawing.							
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	70

### Recommended or Required Reading

1	Technical Drawing (İ. Zeki ŞEN, Nail ÖZÇİLİNGİR)
2	Machinery Drawing (İ. Zeki ŞEN, Nail ÖZÇİLİNGİR)
3	Drawing Exercise (Kemal TÜRKDEMİR)

Week	Weekly Detailed Course Contents	
1	Theoretical	The importance of technical drawing, drawing tools, letters and line types.
2	Theoretical	Basic geometrical drawing.
3	Theoretical	
4	Theoretical	
5	Theoretical	Views.
6	Theoretical	Views.
7	Theoretical	Dimensioning.
8	Intermediate Exam	Midterm exam.
9	Theoretical	Surface finish symbols.
10	Theoretical	Surface finish symbols and tolerances.
11	Theoretical	Tolerances.
12	Theoretical	Draftings.
13	Theoretical	Draftings and assembly drawings.
14	Theoretical	Assembly drawings.
15	Theoretical	Reading of technical drawing.
16	Theoretical	

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Studio Work	12	2	0	24
Midterm Examination	1	8	2	10
Final Examination	1	8	2	10
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 draw and read technical drawing.
2	To be able to draw and read mechanical drawing.

**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 standarts 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	L2
P4	1	2
P5	1	2
P6	1	1
P7		2
P10	5	5
P11		3
P13	1	1

