



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Technical Drawing I								
Course Code	ÜKK107		Course Level		Short Cycle (Associate's Degree)				
ECTS Credit	4	Workload	100 (Hours)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course	In this course; Technical drawing and reading is intended to gain the competence.								
Course Content	Definition and importance of technical drawing, drawing tools, geometric drawings, projection, appearance extraction, sectioning, dimensioning, surface treatment marks, tolerances, construction picture.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Individual Study								
Name of Lecturer(s)	Ins. Evren Barış KAYHAN								

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	40
Practice	1	30

### Recommended or Required Reading

1	Teknik Resim (İ. Zeki ŞEN, Nail ÖZÇİLİNGİR)
2	Makine Resmi (İ. Zeki ŞEN, Nail ÖZÇİLİNGİR)
3	A4 Uygulama Levhaları (Kemal TÜRKDEMİR)

Week	Weekly Detailed Course Contents	
1	Theoretical	The place and importance of technical drawing in industry, drawing tools, writing and figures, line and types.
2	Practice	Geometric drawing.
3	Practice	Definition and classification of projection concept.
4	Practice	Projection and appearance removal.
5	Practice	Appearance.
6	Practice	Sectioning
7	Intermediate Exam	Midterm.
8	Practice	dimensioning.
9	Practice	dimensioning.
10	Practice	Surface treatment marks.
11	Practice	Surface treatment marks and Tolerances.
12	Practice	Tolerances.
13	Practice	Pictures of construction.
14	Practice	Pictures of construction.
15	Practice	Picture reading and application.
16	Final Exam	Semester final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Term Project	1	10	0	10
Practice Examination	12	1	0	12
Midterm Examination	1	16	2	18



Final Examination	1	16	2	18
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Recognize the technical drawing tools and use them in accordance with the technique.
2	To understand the technical drawing standards and drawing according to the technical drawing rules.
3	Students will be able to draw in accordance with the rules of technical drawing.
4	To read technical drawings of a machine part and to check the accuracy of the manufactured product.
5	Understands the importance of technical drawing in engineering.

### Programme Outcomes (Quality Control in Production)

1	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,
2	To be able to comprehend social, cultural and societal responsibility and keep up with national and international up contemporary issues and developments.
3	Utilizes together mathematics, science and theoretical and applied knowledge in their field for engineering solutions.
4	Determines, identifies formulates and solves the problems. For this purpose selects and applies analytical methods and modeling techniques.
5	Selects and utilizes the necessary modern techniques and equipment for industrial applications.
6	Designs and performs experiments, collects data and analyzes and elaborates results.
7	Works effectively as an individual or in multidisciplinary teams.
8	Collects information and makes literature survey for this purpose, utilizes databases and other information sources.
9	Be aware of lifelong learning; follows the developments in science and technology and continuously renews himself.
10	Analyzes and designs under realistic constraints a system, a system component or a process for meeting the required needs, for this purpose applies modern design methods.
11	Acquires professionalism and ethical responsibility in the profession.
12	Communicates by using technical drawing and manufacturing knowledge.
13	Be aware of the universal and social effects of industrial solutions and applications; is aware of entrepreneurship and innovation and has idea about the problems of the era.
14	Has knowledge about quality assurance and standardization and possess skills of execution of operations. In the same time, has the professional and ethical responsibility.
15	Is conscious of project management, business administration, health of the workers, environment and work safety; is aware of the legal consequences of industrial applications.

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

	L1	L2	L3	L4	L5
P4	3	3	3	3	
P5			4		
P7					4
P11	1	3	3	2	
P12	5	5	5	5	5

