



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Technical Drawing II							
Course Code		ÜKK108		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		To draw a picture of a machine part and the installation picture of the machine part in accordance with the technical drawing rules and to check the correctness of the systems manufactured by reading the pictures used in the production process.							
Course Content		Draw the machine part production picture according to the technical drawing rules, draw the machine assembly picture, introduce and use the Autocad program dimensioning and detailing tools, drawing and production picture using the Autocad program. To check the technical drawing and to check the production of a manufactured part and machine by comparing with the technical drawings. Machine project preparation and presentation.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Project Based Study, Individual Study					
Name of Lecturer(s)		Lec. Nurettin TOPUZ							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	40
Term Assignment	1	20

### Recommended or Required Reading

1	Makine Resmi (İ. Zeki ŞEN, Nail ÖZÇİLİNGİR)
2	Autocad program help files and lecture notes

Week	Weekly Detailed Course Contents	
1	Theoretical	The official rules of making the machine part.
2	Practice	The official rules of making the machine part.
3	Practice	The official rules of making the machine part.
4	Theoretical	Machine assembly picture and rules.
5	Practice	Machine assembly picture and rules.
6	Practice	Machine assembly picture and rules.
7	Intermediate Exam	Midterm
8	Practice	Use of computer aided design program dimensioning tools.
9	Practice	Use of computer aided design program dimensioning tools.
10	Practice	Use of computer aided design program dimensioning tools.
11	Practice	Computer Aided Design program drawing using machine part drawing.
12	Practice	Computer Aided Design program drawing using machine part drawing.
13	Theoretical	Project presentation
14	Theoretical	Project presentation
15	Theoretical	Project presentation
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
Practice Examination	9	2	0	18
Midterm Examination	1	5	1	6



Final Examination	1	8	1	9
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*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

