AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Computer Aided Design I						
Course Code	ÜKK104		Couse Level	Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 *(Hours)*	Theory	3	Practice	1	Laboratory	0
Objectives of the Course	With this course the student; The aim of this course is to make computer aided two dimensional drawing and to draw the drawings according to technical drawing standards.						
Course Content	Introduction to Autocad program, introduction of interface, introduction and usage of program options and settings, drawing commands, editing and detailing tools, presentation and usage of output tools, creating a template.						
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	Autocad help files.
2	Lecture notes
3	Open source internet document and visual education resources

Week	Weekly Detailed Course Contents	
1	Theoretical	Program interface and presentation.
2	Practice	Using program options and settings. Introduction to drawing aids.
3	Practice	Appearance tools, Introduction of coordinate system.
4	Practice	Drawing commands and use of editing commands.
5	Practice	Drawing commands and use of editing commands.
6	Practice	Drawing commands and use of editing commands.
7	Practice	Dimensioning tools.
8	Practice	Presentation and use of dimensioning tools. (Midterm)
9	Practice	Presentation and use of drill tools.
10	Practice	Presentation and use of drill tools.
11	Practice	Drawing and dimensioning of machine part views.
12	Practice	Drawing, dimensioning and detailing of machine part views.
13	Practice	Installation drawing and assembly plaque.
14	Practice	Output settings, Production and installation picture output.

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Lecture - Practice	14	0	1	14
Assignment	4	3	0	12
Term Project	1	23	1	24
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	Use computer-aided drawing commands
2	Draw the detail picture of the machine part according to the technical drawing rules.
3	Draw the machine assembly drawing according to the technical drawing rules.
4	Can print the technical drawing.
5	Direct the manufacturing process by using Computer Aided drawing program.

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 formulizes 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 manufactoring 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
P10	4	4	4	4	4
P12	5	5	5	5	5