



COURSE INFORMATION FORM

Course Name	Course Code
Technical Drawing II	141112009

Semester	Number of Course Hours per Week		Credit	ECTS
	Theory	Practice		
2	1	2	2	4

Course Category (Credit)				
Basic Sciences	Engineering Sciences	Design	General Education	Social
2	1	2		

Course Language	Course Level	Course Type
Turkish	Undergraduate	Compulsory

Prerequisite(s) if any	None
Objectives of the Course	This course aims to teach students the use of the AutoCAD program so that they can draw technical drawings in the digital environment.
Short Course Content	This course is designed to provide a basis for the use of AutoCAD, which is a digital technical drawing software. This course covers the basic CAD commands, tools, multi-view drawing and dimensioning techniques.

Learning Outcomes of the Course	Contributed PO(s)	Teaching Methods *	Measuring Methods **
1 Open and read technical drawing files prepared with AutoCAD.	2,6	1,2,6	A,D
2 Draw technical drawings in the digital environment per EN, ISO and ANSI standards using the AutoCAD program	4,6,10	1,2,6	A,D
3			
4			
5			
6			
7			
8			

***Teaching Methods** 1:Expression, 2:Discussion, 3:Experiment, 4:Simulation, 5:Question-Answer, 6:Tutorial, 7:Observation, 8:Case Study, 9:Technical Visit, 10:Trouble/Problem Solving, 11:Individual Work, 12:Team/Group Work, 13:Brain Storm, 14:Project Design / Management, 15:Report Preparation and/or Presentation

****Measuring Methods** A:Exam, B:Quiz, C:Oral Exam, D:Homework, E:Report, F:Article Examination, G:Presentation, I:Experimental Skill, J:Project Observation, K:Class Attendance; L:Jury Exam

Main Textbook	<ul style="list-style-type: none"> AutoCAD 2021 Beginning and Intermediate; Munir Hamad, Mercury Learning & Information, 2020
Supporting References	<ul style="list-style-type: none"> Bilgisayar Destekli Çizim I, MEGEP, Ankara 2007
Necessary Course Material	N/A

Course Schedule	
1	Introduction to AutoCAD
2	AutoCAD's user interface, default settings and Units
3	Work with basic commands including SNAP, GRID, ORTHO, and POLAR tools
4	Types of object selections and introduction to drawing commands
5	Drawing commands exercises
6	Introduction to modifying commands
7	Modifying commands exercises
8	Mid-Term Exam
9	Exercises of creating layers and assigning properties as line weights, line types, colour
10	Introduction to Annotate panel
11	Dimensioning commands
12	Dimensioning commands exercises
13	Introduction to Blocks panel
14	Hatching commands and adding texts
15	Page setups for plotting
16,17	Final Exam

Calculation of Course Workload			
Activities	Number	Time (Hour)	Total Workload (Hour)
Course Time (number of course hours per week)	14	4	56
Classroom Studying Time (review, reinforcing, prestudy,...)			
Homework	12	4	48
Quiz Exam			
Studying for Quiz Exam			
Oral exam			
Studying for Oral Exam			
Report (Preparation and presentation time included)			
Project (Preparation and presentation time included)			
Presentation (Preparation time included)			
Participation (Preparation)			
Mid-Term Exam	1	4	4
Studying for Mid-Term Exam			
Final Exam	1	4	4
Studying for Final Exam			
Total workload			112
Total workload / 30			3,73
Course ECTS Credit			4

Evaluation	
Activity Type	%
Mid-term	40
Final Exam	60
Total	100

RELATIONSHIP BETWEEN THE COURSE LEARNING OUTCOMES AND THE PROGRAM OUTCOMES (PO) (5: Very high, 4: High, 3: Middle, 2: Low, 1: Very low)		
NO	PROGRAM OUTCOME	Contribution
1	Within cultural, historical and artistic contexts the ability to integrate theoretical knowledge about production and consumption mechanisms into the design practice	
2	The ability to plan the design process, to choose and use appropriate methods and techniques	3
3	The ability to identify design problems and related sub-problems and to produce creative solutions with a critical and dialectical approach	
4	The ability to design in terms of spatial thinking using design principles and elements	3
5	The ability to make applications in the interaction of aesthetics and function using design elements and means and to evaluate these applications	
6	The ability to visualize and present using two and three dimensional design tools	5
7	The ability to follow and apply technological developments, current design approaches, sustainable production methods, materials and innovations in the field of informatics in design projects	
8	The ability to use field knowledge in industrial design projects by considering the needs and interests of the society and target users within the scope of environmental awareness, professional ethics and the laws	
9	The ability to carry out the design process effectively individually or in a team	
10	The ability to take an active role in discipline-specific or interdisciplinary studies at the national and international levels;	3

LECTUTER(S)				
Prepared by	Asst. Prof. Dr..Nazife Aslı KAYA ÜÇÖK			
Signature(s)				

Date:08.08.2024