



ESOGU Faculty of Art and Design
Industrial Design Department
COURSE INFORMATION FORM

SEMESTER	Fall
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COURSE CODE	1411xxx	COURSE NAME	Technical Drawing I
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SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	Type	Language
1	1	2	0	2	5	COMPULSORY (X) ELECTIVE ()	Turkish

COURSE CATEGORY

Basic Education	Design	Natural and Applied Science	Social Science	Art
	X	X		

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
	MID-TERM	1st Mid-Term	1
2nd Mid-Term			
Quiz			
Homework			
Project			
Report			
Others (.....)			

FINAL EXAM		1	60
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PREREQUIEITE(S)	N/A
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COURSE DESCRIPTION	This introductory course is designed to teach basic concepts and methods of the Technical Drawing to provide a strong foundation. The content of the course is basic terminology, drawing equipment, lines, symbols and their meanings, measures and scales, geometrical constructions, sizes and shapes, projections, sectioning and dimensioning.
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COURSE OBJECTIVES	The course aims to teach how to graphically express technical information about a product design to be manufactured.
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ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUCATION	To teach the Technical Drawing principles being used in professional life.
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COURSE OUTCOMES	1. Read universally standardized technical drawing language. 2. Draw technical drawings per EN, ISO and ANSI standards.
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TEXTBOOK	1. Technical Drawing; Bert Bielefeld, Isabella Skiba, Walter de Gruyter GmbH , 2013 2. Teknik resim: temel bilgiler ve uygulamalar; Gabil Abdulla, Rashid Abdullayev, Seçkin Yayıncılık, 2012
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OTHER REFERENCES	1. Teknik Resim 9 - Ders Kitabı; Güller Kurcan, Hasan Boylas, Oktay Akbal, Zeki Bozkurt, Millî Eğitim Bakanlığı Yayınları, 2020 2. Teknik Resim 10 - Ders Kitabı; Fazile Tosun, Nizam Turan, Seher Koçer, Millî Eğitim Bakanlığı Yayınları, 2020 3. Geometrik Çizimler, Makine Teknolojisi, MEGEP, Ankara 2007 4. Görünüş Çıkarma, Makine Teknolojisi, MEGEP, Ankara 2007
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	5.Kroki, Perspektif ve Yapım Resmi, Makine Teknolojisi, MEGEP, Ankara 2007 6.Ölçülendirme ve Yüzey İşlemleri, Makine Teknolojisi, MEGEP, Ankara 2007
TOOLS AND EQUIPMENTS REQUIRED	Drawing board, Paper, T-square, Squares, Stencils, Compasses, Ruler, Drawing pencils, Eraser, Tape

WEEKLY COURSE SYLLABUS

WEEK	TOPICS
1	General information on standards (EN, ISO, ANSI). Introduction to drawing equipment and their use
2	Line types and their meanings
3	Projections
4	View drawing
5	Types of views and determining number of views
6	Auxiliary view
7	Custom views
8	Mid-Term
9	Sections and sectioning rules
10	Types of Section Views
11	General Principles of Dimensioning and Scales
12	Dimension lines, numbers, marks and symbols
13	Types of dimensioning systems
14	Types of parallel perspectives and drawing application
15	Types of angular perspectives and drawing application
16	Final Exam

NO	PROGRAM OUTCOMES	Contribution Level		
		3	2	1
1	Within cultural, historical and artistic context the ability to integrate theoretical knowledge about production and consumption mechanisms into the design practice;			X
2	The ability to plan the design process, to choose and use appropriate methods and techniques;		X	
3	The ability to identify design problems and related sub-problems and to produce creative solutions with a critical and dialectical approach;			X
4	The ability to design in terms of spatial thinking using design principles and elements;		X	
5	The ability to make applications in the interaction of aesthetics and function using design elements and means and to evaluate these applications;			X
6	The ability to visualize and present using two and three dimensional design tools;	X		
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;			X
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;			X
9	The ability to carry out the design process effectively individually or in a team;			X
10	The ability to take an active role in discipline-specific or interdisciplinary studies at the national and international levels.		X	

1: None. 2: Partial contribution. 3: Complete contribution.

Instructor(s): Asst. Prof. Dr..Nazife Aslı KAYA ÜÇÖK

Signature:

Date: