

TECHNICAL DRAWING

1	Course Title:	TECHNICAL DRAWING
2	Course Code:	OTPZ107
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. HANDE UFAT
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.
16	Contact information of the Course Coordinator:	handet@uludag.edu.tr, 02242940923, U.Ü.Teknik Bilimler Meslek Yüksekokulu B Blok-Görükle Kampüsü/Bursa
17	Website:	
18	Objective of the Course:	Aim of technical drawing, definition of the tools and materials used, lettering, scales; kinds of line and where they are used, geometrical drawings, projections of elements in three dimensions, perspective and its kinds, its means; freehand sketching, technical drawing of different structural elements and project drawings rules; works on specific projects, Application projects and drawings.
19	Contribution of the Course to Professional Development:	To follow the developments related to the profession and to improve herself/himself continuously
20	Learning Outcomes:	
	1	To Understand the perspective and projection
	2	To draw three view and perspective drawings.
	3	To perform the half and full section views drawing.
	4	Manufacture of workpieces to be done to make the drawing
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21	Course Content:	
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Week	Theoretical	Practice
1	Importance of Technical drawing, drawing tools and their usage.	Introduction to technical drawing tools and materials
2	Writing standards, the drawing rules, lines and line standards	Sample drawings and drawings control homeworks

3	Paper folding, text fields, scale standards	Applications about the subject
4	Basic geometric drawings, drawings of polygons practices	Drawing of geometric shapes and regular polygons
5	Basic geometric drawings, drawings practices of tangent	Drawing of geometric shapes and regular polygons
6	Projection, projection types, basic projection rules	Applications about the subject
7	The completion of the missing appearance	Applications about the subject
8	Course review and mid-term exam	Applications about the subject
9	Scaling, the scaling methods, the scaling rules	application of dimensioning
10	Scales of magnification and reduction	applications in reduction and enlargement scales
11	Three views drawings	Three-View drawing applications
12	Cross-section types and rules, obtainment of the appearances	application of sectioning
13	Perspective drawing	Applications about the subject
14	Drawings of different elements and project drawings rules	Drawing of standard machine parts (Bolt, wedge, pim and perno)

22	Textbooks, References and/or Other Materials:	1) Kemal Varol, 2009. Temel Teknik Resim, Literatür Yayınevi, İstanbul. 2) Abdurrahman Karabulut, Ahmet Çetkin, Teknik Resim, Birsen Yayınevi, İstanbul, 2016. 3) Mustafa Timur, Halil Kılıç, Teknik Resim, Seçkin yayınları, Ankara, 2015.
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Activites			Number	Duration (hour)	Total Work Load (hour)
Midterm Exam	1	40.00		2.00	28.00
Practicals/Labs			14	2.00	28.00
Self study and preparation	0	0.00		5.00	40.00
Homeworks			2	7.00	14.00
Projects	2	100.00		10.00	10.00
Field Studies			0	0.00	0.00
Success Grade					
Midterm exams	1			15.00	15.00
Others			0	0.00	0.00
Total Exams			100.00	15.00	15.00
Total Work Load					150.00
Total work load/ 30 hr			the principles of Bursa Uludağ University Associate and Undergraduate Education Regulation.		
ECTS Credit of the Course					5.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	5	1	1	4	1	1	3	1	1	1	1	0	0	0	0
ÖK2	2	5	1	1	4	1	1	3	1	1	1	1	0	0	0	0
ÖK3	2	5	1	1	4	1	1	3	1	1	1	1	0	0	0	0
ÖK4	2	5	1	1	4	1	1	3	1	1	1	1	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High
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