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:	-	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr.Gör. RASIM KADERLİ	
15	Course Lecturers:	Öğr.Gör.Dr.Yılmaz DORUK	
16	Contact information of the Course Coordinator:	yzdoruk@uludag.edu.tr, 02242942374, 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:		
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:		

Course Content:

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) Mustafa Bağcı, 2009. Teknik Resim, Cilt 1, Birsen Yayınevi, İstanbul. 2) Şen, İ. Zeki, Özçilingir, Nail, Temel Teknik Resim, Ders kitapları A.Ş., İstanbul, 1991. 3)Kemal Türkdemir, Teknik Resim 1, ISBN:975-93471-1-3, Mayıs 2001, Bilal Ofset,Denizli • 4)Kemal Türkdemir, A4 Uygulama Levhaları, ISBN:975-93471-1-3, Mayıs 2001, Bilal Ofset,Denizli

Activites	NUMBER	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	14	2.00	28.00
Practicals/Labs	14	14	2.00	28.00
Quiz	0	0	0.00	0.00
Self study and preperation	14	14	3.00	42.00
Homeworks	10	10	3.00	30.00
Projects	0	0	0.00	0.00
Field Studies	0	0	0.00	0.00
Midterm exams	1	1	10.00	10.00
Others	0	0	0.00	0.00
Final Exams	1	1	12.00	12.00
Total Work Load				150.00
Total work load / 30 h				5.00
ECTS Credit of the Course				5.00

24	**ECTS / WORK LOAD TABLE**

Contribution of Term (Year) Learning Activities to Success Grade 50,00

Contribution of Final Exam to Success Grade 50,00

Measurement and Evaluation Techniques Used in the Course

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	0	4	0	0	3	0	0	0	0	0	0	0	0
ÖK2	2	5	1	0	4	0	0	3	0	0	0	0	0	0	0	0
ÖK3	2	5	1	0	4	0	0	3	0	0	0	0	0	0	0	0
ÖK4	2	5	1	0	4	0	0	3	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications					
Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**