

TECHNICAL DRAWING

1	Course Title:	TECHNICAL DRAWING
2	Course Code:	OTOZ110
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	Drawing uses the tools and equipment, automotive parts knows.
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. ÖMER ÖZKOCA
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.
16	Contact information of the Course Coordinator:	Öğr.Gör.Ömer Özkoca ozkoca@uludag.edu.tr, Tel: 224 2942343, B.U.Ü. T.B.M.Y.O Otomotiv Teknolojisi Programı
17	Website:	
18	Objective of the Course:	Intended to be done on the vehicle engine parts and assembly drawings of elements.
19	Contribution of the Course to Professional Development:	To provide students with knowledge and skills about Technical Drawing that they can use in their professional lives
20	Learning Outcomes:	
	1	To use technical drawing tools and equipment accordance with the rules and techniques.
	2	To draw different views of parts using the projection method, to read and interpret drawn appearance.
	3	To understand the rules of sectioning, and section views of parts to draw, to interpret drawn section.
	4	To draw perspective according to appearance of the parts.
	5	To make dimensioning for the parts according to appearances or perspectives of the parts, to interpret dimensions.
	6	To understand the signs and applying surface treatment.
	7	To draw basic machine pictures.
	8	
	9	
	10	
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Theoretical True, Planting, and Angles	Practice True, Planting and draws angles

2	Methods of projection	Projections of objects to draw
3	Section	Draw a cross-sectional images
4	Dimensioning	Dimensioning makes
5	Features of Perspective, Perspective Types, Two-Dimensional Drawing in perspective images	Perspective Two-Dimensional Images of the artist
6	Perspective on the importance of the interfaces, Concept intersection appearances, machine parts nes the concept and importance of standardization	Fragments from the intersection makes the machine drawings
7	Various Standard Machine Elements, Elements,	Various Standard Machine Elements, Elements allows then
8	Course repetition and Midterm Exam	
9	Gears, Removable Elements	Dimensioning of Gears Removable Merge Elements
10	Springs	Presentation and drawing of the springs
11	Cams Pulleys Bearings	Cams, Pulleys, Bearings recognition
12	Exercise and Tolerance	Exercise and Tolerance on the image to give
13	Surface Processing Signals	Drawing Surface Treatment Signs
14	Assembly Drawings	Mounting Photos to read
22	Textbooks, References and/or Other Materials:	Türkdemir, K. 1997. Technical Drawing I. Bilal Offset, Mehmet Aslan, Applied Technical Drawing, Svet Motor Vehicles Professional Picture Notes.
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
		WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Measurement and evaluation is carried out according to the priciples of Bursa uludag University Associate and Undergraduate Education Regulation.
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	28	1.00	28.00
Self study and preperation	10	2.00	20.00
Homeworks	1	18.00	18.00
Projects	0	0.00	0.00
Field Studies	1	4.00	4.00
Midterm exams	1	14.00	14.00
Others	0	0.00	0.00
Final Exams	1	22.00	22.00
Total Work Load			134.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

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	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
ÖK3	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	3	0	0	0	4	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	3	0	0	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				