TECHNICAL DRAWING

1	Course Title:	TECHNICAL DRAWING	
2	Course Code:	CEV2105	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
7	ECTS Credits Allocated:	3.00	
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:	Prof. Dr. Yahya Işık	
15	Course Lecturers:	Prof. Dr. Yahya IŞIK	
16	Contact information of the Course Coordinator:	abdilkus@uludag.edu.tr Bursa Uludag Universitesi- Mühendislik Fakültesi Otomotiv Mühendisliği Bölümü- Görükle-BURSA Tel: 2942344	
17	Website:		
18	Objective of the Course:	To project and draw views of objects; and to understand drawn views of objects.	
19	Contribution of the Course to Professional Development:	The aim of this course is to explain the basic principles of technical drawing, to develop students' skills about drawing techniques and basic drawing elements by making applications. In addition, by teaching the basic knowledge of technical drawing in subjects such as dimensioning, tolerances, scale, plan, projection, views and isometric perspective, it is to contribute to their Professional development by providing technical drawing skills for the applications of environmental engineering.	
20	Learning Outcomes:		
		1	write according to standarts.
		2	draw using projection metods.
		3	draw views of pieces.
		4	dimension drawn objects.
		5	Draw section views.
		6	draw dimensional views.
		7	
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		10	
21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Introduction to technical drawing	Use technical drawing equipments

2	Technical writing and lines	Standart text and basic drawing tools
3	Projection and types of projection	Projection on sample parts
4	Views of objects	Draw sample views on given 3D parts
5	Relation between three views of objects	Sample Technical Drawing on given parts
6	Technics of drawing .	Sample Technical Drawing on given parts
7	Drawing views of an example object	Sample Technical Drawing on given parts
8	Dimensioning	Dimension applications
9	Repeating courses and midterm exam	Application on sample parts
10	Dimensioning	Application on sample parts
11	Examples of dimensioning of an object	Application on sample parts
12	Sectional views	Practice on sectional views
13	Sectional views (Continue)	Practice on sectional views
14	Examples of sectional views	Practice on sectional views different 3D parts

22	Textbooks, References and/or Other Materials:	1. Teknik Resim I (Nagihan Etemoğlu-Hatice Yeşilkütük-Ahmet Bir) 2. Teknik Resim I (Nejat Kıraç) 3. Teknik Resim (İ.Zeki Şen-Nail Özçilingir) 4. Teknik Resim I (Kemal Türkdemir)
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Home work-project	5	10.00
Practicals/Labs	9	100.00
Self study and preperation		
Homeworks		
Projects		
Contribution of Final Exam to Success Grade		60.00
Total		100.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	14	3.00	42.00
Self study and preperation	7	1.00	7.00
Homeworks	10	2.00	20.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	4.00	4.00
Others	0	0.00	0.00
Final Exams	1	2.00	2.00
Total Work Load			89.00
Total work load/ 30 hr			3.10
ECTS Credit of the Course			3.00

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	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
ÖK2	3	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0
ÖK3	3	0	4	0	0	0	2	0	0	0	0	0	0	0	0	0
ÖK4	3	0	4	0	0	0	2	0	0	0	0	0	0	0	0	0

ÖK5	3	0	4	0	0	0	2	0	0	0	0	0	0	0	0	0
ÖK6	0	0	4	0	0	0	2	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**