TECHNICAL DRAWING

1	Course Title:	TECHNICAL DRAWING	
2	Course Code:	BSM1804	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	2.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	English	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. FERHAT KURTULMUŞ	
15	Course Lecturers:	Dr. Öğr. Üyesi Hilal ERDOĞAN	
16	Contact information of the Course Coordinator:	e-posta : ferhatk@uludag.edu.tr Telefon: 0 224 2941600 Adres: Bursa Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampüsü, 16059, Nilüfer/BURSA	
17	Website:		
18	Objective of the Course:	Gain basic Technical Drawing knowledge and skills to students will need for their professional career.	
19	Contribution of the Course to Professional Development:	It provides contributions for students to interpret the technical drawing documents they will encounter in their professional lives and to produce technical drawing drawings. It adds the ability to think in three dimensions towards the solution of problems encountered in professional life.	
20	Learning Outcomes:		
		1	Will be able to use technical drawing tools in accordance with her technique, draw pictures on technical drawing papers according to their size and characteristics.
		2	Will be able to learn standard line and writing types and make line applications, oblique and vertical writing applications.
		3	Will be able to make various geometric drawings using compasses.
		4	Will be able to comprehend projection planes, types of projections and methods of view generation.
		5	Will be able to dimension views and perspectives.
		6	Understand the necessity and importance of taking a section and will be able to choose the appropriate section planes.
		7	
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21	Course Content:		
	Course Content:		
Week	Theoretical		Practice

1	Introduction to courses and tools	drawing smooth and dashed lines
2	Lines and rules	Related practice
3	Using and practicing with T and other ruler	Related practice
4	Geometric drawings	Related practice
5	Drawing polygons	Related practice
6	Orthographic Projection	Related practice
7	Orthographic Reading	Related practice
8	Orthographic writing	Related practice
9	Three views	Related practice
10	Three views	Related practice
11	Perspective drawings	Related practice
12	Sectioning	Related practice
13	Sectioning	Related practice
14	Dimensioning	Related practice

22	Textbooks, References and/or Other Materials:	Giesecke, F. E., Mitchell, A., & Spencer, H. C. (1980). Technical Drawing: Including Aeronautical Drafting, by Frederick E. Giesecke, Alva Mitchell [and] Henry Cecil Spencer. Macmillan. Teknik Resim I (Nagihan Etemoğlu-Hatice Yeşilkütük-Ahmet Bir)

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	14	2.00	28.00
Self Study	20	2.00	40.00
Homeworks	14	2.00	28.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	2.00	2.00
Total Work Load			116.00
ECTS Credit of the Course			4.00

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Final Exam	1	60.00
Total	2	100.00

Contribution of Term (Year) Learning Activities to Success Grade 40

Contribution of Final Exam to Success Grade 60

Total work load/ 30hr

Measurement and Evaluation Techniques Used in the	The effect of the midterm exam on the course-passing grade is 20%, the effect of the final exam on the course-passing grade is 60%.

24	**ECTS / WORK LOAD TABLE**

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	3	0	5	0	5	0	0	0	0	0	5	0	0	0	0	0
ÖK2	3	0	4	0	4	0	0	0	0	0	4	0	0	0	0	0
ÖK3	3	0	4	0	5	0	0	0	0	0	3	0	0	0	0	0

ÖK4	3	0	4	0	3	0	0	0	0	0	4	0	0	0	0	0
ÖK5	5	0	4	0	4	0	0	0	0	0	4	0	0	0	0	0
ÖK6	3	0	4	0	4	0	0	0	0	0	5	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**