TECHNICAL DRAWING I

1	Course Title:	TECHNICAL DRAWING I	
2	Course Code:	SAT1121	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Araş.Gör.Dr. ERKAN KAYA	
15	Course Lecturers:	yok	
16	Contact information of the Course Coordinator:	Dr. Erkan KAYA erkankaya@uludag.edu.tr Bursa Uludağ Üniversitesi Fen Edebiyat Fakültesi Sanat Tarihi Bölümü Bizans Sanatı ABD. 16059 Görükle Kampüsü Nilüfer/BURSA	
17	Website:		
18	Objective of the Course:	The Technical Drawing I course aims to develop students' skills in reading, understanding, and interpreting architectural projects and technical plans. Within the scope of this course, topics such as basic drawing techniques, scale usage, perspective drawings, and standard symbols are covered to enable students to perform detailed analyses on plans and sections. Additionally, the course provides fundamental knowledge about drawing and interpreting architectural designs in accordance with technical standards.	
19	Contribution of the Course to Professional Development:	The technical drawing course makes significant contributions to professional development in terms of architectural and plan reading skills. This course teaches the accurate reading and interpretation of technical details while fostering a professional perspective in the design and implementation processes of projects. For individuals working in fields such as art history and architecture, technical drawing knowledge is critically important for the accurate understanding of projects and the prevention of communication gaps. Additionally, by enhancing drawing and analysis skills in accordance with professional standards, this course supports students in working more efficiently and effectively in their careers.	
20	Learning Outcomes:		
		1	Understand the concept of technical drawing and its significance for art history.
		2	Identify and properly use technical drawing tools and materials.
		3	Apply drawing rules and standards to create scaled drawings.
		4	Learn geometric drawing techniques and improve perspective skills.

	5	Recognize and utilize symbols and signs used in technical drawings.
	6	Implement single-point and two-point perspective drawing techniques.
	7	Understand architectural plans and sections and create such drawings.
	8	Perform drawings of historical buildings and architectural sculptures, analyzing them within the context of art history.
	9	Develop skills in measuring, identifying, and correcting errors in technical drawings.
	10	Create advanced-level plans and sections, develop projects, and present them effectively.

21	Course Content:

Course Content:

Week	Theoretical	Practice
1	Introduction and Basic Concepts What is technical drawing and its importance for art history Technical drawing tools and their usage Introduction to drawing rules (standards and scales)	
2	Introduction to Drawing Techniques Drawing basic geometric shapes Developing perspective in drawings Exercises with lines and angles	
3	Concept of Scale and Its Applications Applications One point and two point perspective Drawing exercises to enhance spatial Drawing small artifacts Drawing exercises for architectural ornaments	
5	Plan Drawing Techniques The concept of plans and their types Measurement and transferring it to drawings Working on examples of architectural plans from art history Gaining practice in plan drawing	
6	Plan Reading Techniques How to read architectural plans Meanings of standard symbols used in plans Example studies on building plans from art history	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	1	10.00	10.00
Field Studies	7	2.00	14.00
Midterm exams	1	5.00	5.00
Others	0	0.00	0.00
Final Exams	1	5.00	5.00
Total Work Load			95.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

7	The Concept of Section and Drawing Techniques What is a section and its purpose Key points to consider in a section drawing of a building The significance of sections in the context of art history Section drawing exercises	
8	Section Reading Techniques Examination of symbols and markings used in sections Analysis through sample sections Section drawing exercises	
9	Technical Drawing on Historical Structures Technical drawings of significant structures in the context of art history Practical application of drawing techniques on historical artifacts Technical drawing exercises	
10	Drawing Materials and Structural Details Representing materials used in historical buildings through drawing Technical drawing of structural elements Structural element drawing exercises	
11	Architectural Drawing and Scale Relationship Architectural drawing practices Plan drawing exercises Architectural ornament drawings Drawings of small artifacts such as metalwork and ceramics Reviewing drawings and identifying errors Resolving measurement or drawing inaccuracies	
12	Advanced Plan and Section Drawings Plan and section drawings of more complex structures Scale and detail studies	
13	Applied Work and Project Plan and section drawings of a historical structure selected by students Evaluation of the drawings for compliance with technical standards	
14	General Evaluation and Presentation Presentation of the completed projects by students Discussion of the knowledge gained throughout the course and providing feedback	

22	Textbooks, References and/or Other Materials:	ALTUN, A., Sanat Tarihinde Mimari Çizim İçin Küçük Rehber I, İstanbul 1983. D. HASOL, Mimarlık Sözlüğü M. SÖZEN-U. TANYELİ, Sanat Kavram Ve Terimleri Sözlüğü M. BAĞCI, Teknik Resim
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**

Midterm Exam	1	35.00
Quiz	0	0.00
Home work-project	1	5.00
Final Exam	1	60.00
Total	3	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		Practical Drawing Exercises Measurement and Application Tasks Perspective Drawing Exercises Error Detection and Correction Activities End-of-Term Project

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	4	5	5	5	5	4	5	5	5	5	5	5	5	0	0	0
ÖK2	4	2	1	1	0	4	0	0	0	0	5	0	0	0	0	0
ÖK3	4	2	1	3	0	5	0	0	0	0	5	0	0	0	0	0
ÖK4	4	2	1	4	0	5	0	0	0	0	5	0	0	0	0	0
ÖK5	4	2	1	4	0	5	0	0	0	0	5	0	0	0	0	0
ÖK6	4	2	1	4	0	5	0	0	0	0	5	0	0	0	0	0
ÖK7	4	2	5	2	0	5	0	0	0	0	5	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	0	0	0	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**