

# TOROS ÜNİVERSİTESİ

Vocational School  
Construction Technology

## Course Information

ARCHITECTURAL KNOWLEDGE AND DESIGN					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ITP 146	Spring	2	1	3	3

<b>Prerequisites and co-requisites</b>	None
<b>Language of instruction</b>	Turkish
<b>Type</b>	Required
<b>Level of Course</b>	Associate
<b>Lecturer</b>	Lect. Sümeyye GÜNDÜZ
<b>Mode of Delivery</b>	Face to Face
<b>Suggested Subject</b>	None
<b>Professional practise ( internship )</b>	None
<b>Objectives of the Course</b>	To provide students with basic knowledge about basic design, architectural concepts, interior and exterior building elements.
<b>Contents of the Course</b>	Architectural projects, drawing and presentation of architectural projects, detail and elements, architectural project drawing, dimensioning, dimensioning, criticism and application of architectural spaces in accordance with TAKS and KAKS, aiming to be knowledgeable in cases where the problems that may arise following the design and manufacturing process of public and private spaces Work, detailing the drawings of the elements of a projecnine towards the interior in accordance with standards, material selection, heat insulation and heat calculation.

## Learning Outcomes of Course

#	Learning Outcomes
1	To explain basic architectural concepts to students.
2	Informing interior and exterior building elements, building materials and details.
3	Giving information about basic design concepts.
4	Developing the ability to recognize deficiencies in interior and exterior spaces and to produce solutions for these deficiencies.

## Course Syllabus

#	Subjects	Teaching Methods and Technics
1	What is architecture? Introduction to basic design principles, the golden ratio.	Lecture notes and visuals
2	Relation of basic design principles to space, ergonomics, anthropometry.	Lecture notes and visuals
3	The technical details of the architectural projects, the issues to be considered in architectural projects and the architectural projects.	Lecture notes and visuals
4	Examination of building types and basic building elements of architectural direction.	Lecture notes and visuals
5	Inspection of architectural walls and floors.	Lecture notes and visuals
6	General information about doors, door types, door detail drawings, skirting details.	Lecture notes and visuals
7	Midterm	
8	General information about windows, window types, window detail drawings.	Lecture notes and visuals

9	Types of stairs, single and double-arm stairs, disabled ramps.	Lecture notes and visuals
10	Spiral staircases, U stairs, landings and circulation areas in the room.	Lecture notes and visuals
11	Examination of thermal insulation materials and application details.	Lecture notes and visuals
12	Lime and plaster	Lecture notes and visuals
13	Interior and exterior covering of buildings	Lecture notes and visuals
14	Elderly and handicapped designs, anthropometric data.	Lecture notes and visuals
15	General topic repetition	Lecture notes and visuals
16	Final Exam	

## Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Yapı Tasarımı, Neufert.		

## Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

## Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	To explain basic architectural concepts to students.	4	1,2
2	Informing interior and exterior building elements, building materials and details.	3,4	1,2
3	Giving information about basic design concepts.	4	1,2
4	Developing the ability to recognize deficiencies in interior and exterior spaces and to produce solutions for these deficiencies.	3,4,5	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

## Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	0	0	0
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	15	15
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0

15	Preparation for Final Exam	1	15	15
16	Final Exam	1	1	1
				<b>74</b>