

# TOROS ÜNİVERSİTESİ

Faculty Of Fine Arts, Design And Architecture  
Architecture

## Course Information

CONSTRUCTION MATERIALS I					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ARC221	Fall	2	0	2	3

<b>Prerequisites and co-requisites</b>	None
<b>Language of instruction</b>	Turkish
<b>Type</b>	Required
<b>Level of Course</b>	Bachelor's
<b>Lecturer</b>	Instructor Başak YÜNCÜ, Instructor Tuğçe KEMER
<b>Mode of Delivery</b>	Face to Face
<b>Suggested Subject</b>	
<b>Professional practise ( internship )</b>	None
<b>Objectives of the Course</b>	Students will learn to identify materials on their building designs with security and code necessities. It is aimed to introduce students to new and actual materials that are used at interior design applications. Students will make researchs and presentations on given subjects ,in addition their ability on reasearching actual projects will develop.
<b>Contents of the Course</b>	In the content of course , performance and application criterias of materials that are used in architecture and inteior architecture will be studied.

## Learning Outcomes of Course

#	Learning Outcomes
1	Understanding design techniques and principles
2	Understanding visual layout techniques
3	Increase the ability to solve design problems with a limited number of variables
4	Understanding and learning of form function space structure relation

## Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Introduction: (1)Explanation of course content ,(2) Lecture: 'wall, floor,ceiling 'components will be explained by powerpoint presentations and actual samples.	Homework-1: Research of 'wall,floor,ceiling' components
2	(1)Student's presentations of homework1, (2)Lecture: Staircase subject will be explained by power point presentations.	Students will make research on staircase subject
3	Lecture: Insulation methods and materials at interiors and exteriors will be identified,classified and explained.	Students will make research on insulation materials
4	Lecture: Building materials will be explained and classified.Bad application methods will be shown and explained to students by actual building pictures.	Homework-2: Students will make material research and presenatation.
5	Student's presentations on selected material will be done	
6	Lecture : (1)Wet volume interior spaces at houses will be explained such as; 'kitchens,bathrooms' .(2) Drawing paper will be given	Homework-3.1: Drawing paper on given bathroom space.
7	Contining on bathroom drawing.	Homework-3.2.:Given Staircase drawing
8	Mid-term exam	

9	Technical trip to 'Reform Housing Building' site area.(Mersin , Yenişehir)	Homework-4: Students presentations about technical trip.
10	(1) Students technical trip presentations, (2)Lecture: Doors subject will be explained with technical drawings and materials of doors will be explained and classified.	Working on presenatations
11	(Going on technical trip presenatations, (2) Going on doors lecture	Working on presenatations
12	Lecture: Windows subject will be explaneid and shown by pictures.	Working on presenatations
13	Lecture: Windows subject will be explaneid and shown by pictures.	Working on presenatations
14	Lecture: Windows subject will be explaneid and shown by pictures.	Working on presenatations
15	Critics to technical trip posters	Working on final posters
16	Final Exam	

## Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Ching F.D.K., 'Çizimlerle Bina Yapım Rehberi'		
2	Gerçek C., 'Yapıda Taşıyıcı Sistemler'		
3	Internet bazlı kaynaklar,Tasarım ile ilgili kitaplar ve dergiler		

## 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	Understanding design techniques and principles	3,10	1,2
2	Understanding visual layout techniques	10,11	1,2
3	Increase the ability to solve design problems with a limited number of variables	10,17	1,2
4	Understanding and learning of form function space structure relation	10,18	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	2	28
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	2	28
3	Presentation and Seminar Preparation	6	2	12
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	0	0	0
8	Midterm Exam	1	3	3
9	Quiz	0	0	0
10	Homework	3	2	6
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0

13	Final Project	1	5	5
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	5	5
16	Final Exam	1	3	3
				<b>90</b>