

School of Fine Arts Design and Architecture / Architecture

2023 - 2024 Academic Year

BEARING WALL BEHA. and ADOBE BUIL. in ARCHI.

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
BEARING WALL BEHA. and ADOBE BUIL. in ARCHI.	MIM4115188	Fall Semester	2+1	2,5	4
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Mustafa ERDEM				
Name of Lecturer(s)	Prof.Dr. Ayşe Bilge IŞIK				
Assistant(s)					
Aim	Consideration of design and implementation of building in detail with building systems, the principles and methods in design and implementation				
Course Content	This course contains; Definition of earthen building and structure, examples, architects,Healthy living in earthen building-- Design issues (fire, corrosion, acoustic, vibration),Earthen material and construction issues ,Opportunities for architectural expression in earthen material,Definition of earthen building in detail, principles,,Stair of bearing wall system, ,Doors and windows of bearing wall system, and location ,Midterm,Earthen wall project design (50m2)- bearing system decision,Earthen wall project design (50m2)-stairs, doors, windows ,Earthen wall project design (50m2)- floor, ceiling, wall and coverings,Earthen wall project design (50m2)- Building systems (mechanical, electrical, plumbing, special systems),Earthen wall project design (50m2)-healthy living detail ,Earthen wall project design (50m2)- poster presentation.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
			16, 9	A, E, F	
Teaching Methods	16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, E: Homework, F: Project Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Definition of earthen building and structure, examples, architects				
2	Healthy living in earthen building-- Design issues (fire, corrosion, acoustic, vibration)				
3	Earthen material and construction issues				
4	Opportunities for architectural expression in earthen material				
5	Definition of earthen building in detail, principles,				
6	Stair of bearing wall system,				
7	Doors and windows of bearing wall system, and location				
8	Midterm				
9	Earthen wall project design (50m2)- bearing system decision				
10	Earthen wall project design (50m2)-stairs, doors, windows				
11	Earthen wall project design (50m2)- floor, ceiling, wall and coverings				
12	Earthen wall project design (50m2)- Building systems (mechanical, electrical, plumbing, special systems)				
13	Earthen wall project design (50m2)-healthy living detail				
14	Earthen wall project design (50m2)- poster presentation				
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources
Will be shared in class