School of Fine Arts Design and Architecture / Architecture (English)

2023 - 2024 Academic Year

BUILDING TECHNOLOGY III

Syllabus

Course Description						
Name		**Code**	**Semester**	**T+A Hour**	**Credit**	**ECTS**
BUILDING TECHNOLOGY III		ARC3259350	Spring Semester	2+2	3	4
Prerequisites Courses	YAPIM TEKNOLOJİSİ II					
Recommended Elective Courses						
Language of Instruction	English					
Course Level	First Cycle (Bachelor's Degree)					
Course Type	Required					
Course Coordinator	Assist.Prof. Pelin KARAÇAR					
Name of Lecturer(s)	Lect.Dr. Gizem ŞİMŞİR, Lect. Mert DURMAZ					
Assistant(s)						
Aim	It is aimed to investigate the relations between these buildings and each other and the other building structures by introducing the students to the traditional and latest technology systems of ceiling, wall and floor elements forming the interior of the room with these structural windows, doors and modular systems.					
Course Content	This course contains; Course definition and giving preliminary information,Introduction to door window and modular construction elements,Windows, types and sample applications,Doors, types and sample applications, Interior modular systems and applications,Interior modular systems and applications,Midterm exam,Interior flooring systems, types and substructures,Interior wall systems, types and substructures,Interior ceiling systems, types and substructures,Detailed construction project,Detailed constuction project,Detailed construction project,Detailed construction project.					

Course Learning Outcomes	**Teaching Methods**	**Assessment Methods**
Develops and proposes a system for the details of joining of all the building elements that make up the interior space. Has knowledge about building components and subsystems which constitute internal space and environment. Has knowledge about fine structural elements and details such as doors, windows and modular systems.	10, 12, 18, 19, 37, 9	E, F

Teaching Methods	10: Discussion Method, 12: Problem Solving Method, 18: Micro Teaching Technique, 19: Brainstorming Technique, 37: Computer-Internet Supported Instruction, 9: Lecture Method
Assessment Methods	E: Homework, F: Project Task

Lecture Schedule

Sequence	**Topics**	**Preliminary Preparation**
1	Course definition and giving preliminary information	
2	Introduction to door window and modular construction elements	
3	Windows, types and sample applications	
4	Doors, types and sample applications	
5	Interior modular systems and applications	
6	Interior modular systems and applications	
7	Midterm exam	
8	Interior flooring systems, types and substructures	
9	Interior wall systems, types and substructures	
10	Interior ceiling systems, types and substructures	
11	Detailed construction project	
12	Detailed constuction project	
13	Detailed construction project	
14	Detailed construction project	

Evaluation Methods	**Weight(%)**
Midterm Exam	50
General Exam	50

Resources
To be distributed by the lecturerDetail Series Interior + Architecture, Archiworld Co., Ltd. ;Binggeli, C., 2014. Materials and Interior Environments, John Wiley and Sons, Inc., Canada. ;Francis D.K.CHING , Çizimlerle Bina Yapım Rehberi, Cassandra ADAMS