

**School of Fine Arts Design and Architecture / Architecture**

**2023 - 2024 Academic Year**

**ARCHITECTURAL ECONOMY**

**Syllabus**

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
ARCHITECTURAL ECONOMY	MIM3115162	Fall Semester	2+1	2,5	4
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Elective				
<b>Course Coordinator</b>	Prof.Dr. Hüseyin Atilla DİKBAŞ				
<b>Name of Lecturer(s)</b>	Prof.Dr. Hüseyin Atilla DİKBAŞ, Prof.Dr. Sema ERGÖNÜL				
<b>Assistant(s)</b>					
<b>Aim</b>	To convey skills in choosing and applying cost estimation and calculation techniques in all stages of a project, including the inception, planning, design, construction and operation phases.				
<b>Course Content</b>	This course contains; Introduction, aims of the course, contents and method, Concepts of cost, economics and rationality; evaluation of the concepts from the viewpoints of entrepreneurs, owners, contractors, contractors, users and the society, Life cycle cost approach: initial investment cost, operation cost, maintenance and repair cost, Factors affecting cost at the planning stage, Factors affecting cost at the design stage, Factors affecting costs at the bidding, construction and use stage, Building cost estimation and calculation methods, Midyear exam, Building cost estimation and calculation methods, EXERCISE- Cost estimation method based on construction activities, EXERCISE- Cost estimation method based on construction activities, EXERCISE- Cost estimation method based on construction activities, Review.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
1. Gains knowledge about techniques and approaches for achieving economic rationality in the building production process. 2. Learns and applies cost estimation and calculation techniques in the building production process. 3. Gains skills in calculating initial investment and operation costs of a building.					
<b>Teaching Methods</b>					
<b>Assessment Methods</b>					
<b>Lecture Schedule</b>					
Sequence	Topics	Preliminary Preparation			
1	Introduction, aims of the course, contents and method				
2	Concepts of cost, economics and rationality; evaluation of the concepts from the viewpoints of entrepreneurs, owners, contractors, contractors, users and the society				
3	Life cycle cost approach: initial investment cost, operation cost, maintenance and repair cost				
4	Factors affecting cost at the planning stage				
5	Factors affecting cost at the design stage				
6	Factors affecting costs at the design stage				
7	Factors affecting costs at the bidding, construction and use stage				
8	Building cost estimation and calculation methods				
9	Midyear exam				
10	Building cost estimation and calculation methods				
11	EXERCISE- Cost estimation method based on construction activities				
12	EXERCISE- Cost estimation method based on construction activities				
13	EXERCISE- Cost estimation method based on construction activities				
14	Review				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		50			
General Exam		50			

Resources
1. Mimarlık Meslek Pratiği El Kitabı, Mimarlar Odası İzmir Şubesi, 2009
2. Belardi, Paolo, Mimarlar Neden Hala Çiziyor? Janus yayıncılık, 2015
3. Koolhaas, Rem, Öğrencilerle Söyleşiler, YEM Kitabevi, 2014
4. Kahn, Louis, Öğrencilerle Söyleşiler, YEM Kitabevi 2014
5. Baytop, Firuzan, Şantiyede Olay Var!, YEM Kitabevi, 2013
6. Lecture notes