COURSE SYLLABUS						
Course Title	**Course Code**	**Semester**	**Course Hour/Week**		**Credit**	**ECTS**
Financial and Managerial Issues in Design	ARCH442	8	**Theory** 2	**Practice** 2	3	4
Course Type	Compulsory Courses	Department Elective	Faculty Elective	University Elective	CoHE (YÖK) Compulsory	Other
	x					
Level of Course	Associate degree (Short Cycle)		Undergraduate (First Cycle)		Graduate / Doctoral (Second / Third Cycle)	
			x			

Language of Instruction	English

Course Instructor(s)		E-mail: Office:
Course Objectives	This course aims to provide students with a comprehensive understanding of the financial and managerial aspects of architectural design projects. It explores the business principles, financial strategies, and project management techniques essential for successful practice in the architecture and design professions. The course aims to develop students' knowledge of budgeting, cost estimation, fee structures, contract negotiation, and financial analysis specific to architectural projects, as well as project scheduling, resource allocation, risk management, and client relations. It further aims to develop students' understanding of the role of architects in interdisciplinary project teams and the integration of design goals with project objectives. By the end of the course, students will have developed the knowledge and skills necessary to navigate the financial and managerial challenges of professional practice, ensuring the successful delivery of architectural projects on time, within budget, and to the satisfaction of clients and stakeholders.	
Course Learning Outcomes	**Students will be able to:**	**Teaching Methods**	**Evaluation Methods**
	Understand: Explain the business principles and financial strategies essential for successful practice in the architecture and design professions.	Direct instruction, Discussion	Midterm Exam

	Understand: Identify budgeting, cost estimation, and fee structures relevant to architectural projects.	Direct instruction, Case studies	Midterm Exam
	Apply: Apply cost estimation and financial analysis techniques to architectural project scenarios.	Practical exercises, Case studies	Assignment
	Analyze: Analyze contract negotiation strategies and their implications for project delivery.	Case studies, Discussion	Midterm Exam, Assignment
	Apply: Apply project scheduling and resource allocation techniques to manage architectural projects effectively.	Practical exercises, Group work	Assignment
	Evaluate: Evaluate risk management strategies and their role in successful project delivery.	Case studies, Discussion	Final Exam
	Collaborate: Collaborate effectively within interdisciplinary project teams, integrating design goals with project objectives and client relations.	Group work, Case studies	Final Exam, Assignment
Course Content	ARCH442 provides students with a comprehensive understanding of the financial and managerial aspects of architectural design projects. This course explores the business principles, financial strategies, and project management techniques essential for successful practice in the architecture and design professions. Through lectures, case studies, and practical exercises, students learn about budgeting, cost estimation, fee structures, contract negotiation, and financial analysis specific to architectural projects. ARCH442 also covers topics such as project scheduling, resource allocation, risk management, and client relations. Additionally, the course addresses the role of architects in interdisciplinary project teams and the integration of design goals with project objectives. By the end of the course, students will have developed the knowledge and skills necessary to navigate the financial and managerial challenges of professional practice, ensuring the successful delivery of architectural projects on time, within budget, and to the satisfaction of clients and stakeholders.		

COURSE OUTLINE/SCHEDULE			
Week	**Topic**	**Implementation (theory/practice)**	**Required Reading, Preliminary preparation**

1	Introduction: The Business of Architecture — overview of financial and managerial issues in design practice	T	See required reading
2	Business Principles for Architecture Firms: structures and models	T/P	See required reading
3	Budgeting and Cost Estimation I: fundamentals	T/P	See required reading
4	Budgeting and Cost Estimation II: quantity takeoff and cost control	T/P	See required reading
5	Fee Structures and Compensation Methods	T/P	See required reading
6	Financial Analysis for Architectural Projects	T/P	See required reading
7	Financial Analysis for Architectural Projects	T/P	See required reading
8	Review and Midterm Exam	T/P	Preparation required
9	Contract Negotiation: types of contracts and negotiation strategies	T/P	See required reading
10	Project Scheduling: critical path method and Gantt charts	T/P	See required reading
11	Resource Allocation and Team Management	T/P	See required reading
12	Risk Management in Architectural Practice	T/P	See required reading
13	Client Relations and Stakeholder Management	T/P	See required reading
14	Interdisciplinary Project Teams: integrating design goals with project objectives	T/P	See required reading
15	Case Studies: financial and managerial challenges in real projects	T/P	See required reading
16	Review and Project Presentations	T/P	See required reading
17	FINAL EXAMS	Preparation required	

Required Course Material(s) / Reading(s)/ Text Book(s)	Bielefeld B., Bert Bielefeld,. (2013). Project Management Architecture. Basel, Switzerland: Birkhäuser. **Call number: REF NA1996.P76 2013**

Recommended Course Material(s)/ Reading(s) /Other	Kliem, R. L. (2018). Project Management for Architects and Designers. CRC Press. Green, R. (2013). The Architect's Guide to Running a Practice. Routledge. Piven, P., & Perkins, B. (2019). Architect's Essentials of Professional Practice. Wiley. American Institute of Architects (AIA). (2020). The Architect's Handbook of Professional Practice (15th ed.). Wiley.

ASSESSMENT		
Learning Activities	**NUMBER**	**WEIGHT %**
Mid-Term	1	30
Quiz	0	
Assignment	1	20
Project	0	
Field Study	0	
Presentation / Seminar	0	
Studio Practice	0	
Other	0	
Contribution of Final Examination/Final Project/ Dissertation to the Final Grade	1	50
TOTAL		100

CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES						
No	**PROGRAMME LEARNING OUTCOMES**	Level of Contribution (1-lowest/ 5-highest)				
		1	2	3	4	5
1	Understand architectural history, theory, and cultural heritage, including the relationship between local/vernacular traditions and global architectural discourse.	X				
2	Understand technical knowledge and the principles of structural systems, building technology, environmental performance, and construction processes as integrated components of architectural design.	X				

3	Comprehend sustainability, ecological sensitivity, and climate-responsive design principles and their application across different scales of the built environment.	X				
4	Recognize the legal, ethical, and professional frameworks governing architectural practice, including relevant codes, standards, universal ethical values, and the principles of project management and cost estimation.					X
5	Apply creative and critical design thinking to develop holistic architectural solutions that respond to spatial, environmental, cultural, and social challenges at local, national, and global scales.	X				
6	Produce professional drawings, models, technical documentation, and digital/parametric visualizations that effectively communicate architectural proposals at all stages of design.	X				
7	Conduct systematic, evidence-based research and apply critical evaluation methods to inform and validate design decisions throughout the design process.			X		
8	Integrate interdisciplinary knowledge — spanning art, engineering, ecology, and social sciences — to produce innovative and contextually sensitive design outcomes.			X		
9	Demonstrate professional and ethical responsibility, with sensitivity to environmental sustainability, socio-cultural diversity, and the well-being of communities served by architectural practice.			X		
10	Collaborate effectively in interdisciplinary and intercultural teams, demonstrating leadership, communication, and project management competencies in design and professional contexts.				X	
11	Communicate architectural ideas persuasively and clearly in verbal, visual, and written form to professional, academic, client, and public audiences.		X			
12	Engage in continuous self-reflection, lifelong learning, and active contribution to the evolving architectural profession at local, regional, and international levels.			X		

ECTS / STUDENT WORKLOAD				
ACTIVITIES	**NUMBER**	**UNIT**	**HOUR**	**TOTAL (WORKLOAD)**
Course Teaching Hour (X weeks * total course hours)	16	1	4	64
Preliminary Preparation and self- study	14	1	1	14
Mid-Term	1	1	10	10
Quiz				

Assignment	1	1	10	10
Project				
Field Study				
Presentation / Seminar				
Studio Practice				
Final Examination/ Final Project/ Dissertation	1	1	10	10
Other				
TOTAL WORKLOAD				108
TOTAL WORKLOAD / 25				4.32
ECTS				4

ETHICAL RULES WITH REGARD TO THE COURSE
Plagiarism Disclaimer Detected and undetected plagiarism is a serious offense at any time and can have devastating effects on your degree results and future professional life. Plagiarism is easy to avoid if you ensure that you properly identify and acknowledge your sources and do not copy directly from visual examples, designs, or notes that have themselves been taken word-for-word from your sources.

	SDG 1: No Poverty	
	SDG 2: Zero Hunger	
	SDG 3: Good Health and Well-Being	
	SDG 4: Quality Education	X
	SDG 5: Gender Equality	X
	SDG 6: Clean Water and Sanitation	
	SDG 7: Affordable and Clean Energy	
	SDG 8: Decent Work and Economic Growth	X
	SDG 9: Industry, Innovation and Infrastructure	X

	SDG 10: Reduced Inequalities	X
	SDG 11: Sustainable Cities and Communities	X
	SDG 12: Responsible Consumption and Production	X
	SDG 13: Climate Action	
	SDG 14: Life Below Water	
	SDG 15: Life on Land	X
	SDG 16:Peace, Justice and Strong Institutions	X
	SDG 17:Partnership for the Goals	X

ASSESSMENT DETAILS AND EVALUATION CRITERIA:	
Final grades will be determined based on the course learning activities and the assessment details for the final examination or project, as outlined below, in accordance with the University's Education and Examination Regulations. Students are required to attend at least 70% of the classes. The maximum allowable absenteeism is 30%. Midterm Exam: 30% Assignment: 20% Final Exam: 50%	
PREPARED BY	
UPDATED	August 2026
APPROVED	