ESKİŞEHİR OSMANGAZİ UNIVERSITY
FACULTY OF ENGINEERING AND ARCHITECTURE
DEPARTMENT OF ARCHITECTURE

GRADUATE PROGRAM OUTCOMES

ESOGU ARCHITECTURE MASTER'S (MSc)

PO1- Advanced Theoretical and Critical Understanding Evaluating advanced theoretical knowledge on architecture, the city, design and the physical environment through critical thinking and interdisciplinary approaches; interpreting current debates, concepts and knowledge production processes in the field of architecture by questioning them.
PO2- Research Methods and Knowledge Production Collecting, analyzing, interpreting and synthesizing data using scientific research methods in the field of architecture; developing original research questions, methods and academic studies by comparing different research approaches.
PO3- Design Development for Architectural and Urban Problems Developing critical, creative and research-based design decisions for complex, multi-layered and interdisciplinary architectural and urban problems; producing original spatial, environmental, structural and programmatic solution proposals at different scales; evaluating user, context and physical environment data in an integrated manner in design processes.
PO4- Interdisciplinary Thinking Developing the ability to evaluate and integrate knowledge in multidisciplinary, interdisciplinary and transdisciplinary contexts by relating the field of architecture to the social sciences, technology, art, the environment, cultural studies and other related fields.
PO5- Academic Expression and Communication Expressing architectural, theoretical and research-based ideas clearly, systematically and critically at an academic and professional level using written, oral, visual and digital representation tools; communicating effectively with different target audiences.
PO6- Digital Technologies, Computational Approaches and Current Tools Using current digital technologies, computational design tools, and information and communication technologies employed in the field of architecture effectively and critically in research, analysis, representation and design processes.
PO7- Building Technologies and Physical Environment Performance Analyzing and evaluating physical environment performance using advanced knowledge of the building envelope, materials, structural systems, environmental control, energy efficiency and user–environment relations, and transferring it in an integrated manner into architectural design, research and implementation processes.
PO8- Sensitivity to Historical, Cultural and Environmental Context Critically evaluating the relationships among the historic environment, cultural heritage, public space, users, environmental sustainability and social context; developing sensitive and holistic design, research and conservation approaches in these contexts.
PO9- Professional Ethics, Social Responsibility and Legal Awareness Understanding the ethical, social, environmental and legal responsibilities in the field of architecture and developing critical and responsible approaches that observe these principles in academic and professional work.
PO10- Independent Research and Lifelong Learning Independently planning, conducting and completing a research or design study requiring expertise; developing the ability to access information, follow scientific and technological developments and sustain learning processes throughout life.
PO11- Academic and Professional Contribution Developing original academic, theoretical or practice-oriented contributions in the field of architecture; being able to share research results in national and international academic/professional settings and to take part in critical academic dialogue.

TQF-HE – PROGRAM OUTCOMES MATRIX
Architecture Graduate (MSc)

			ESOGU ARCHITECTURE MASTER'S (MSc) PROGRAM OUTCOMES										
			1	2	3	4	5	6	7	8	9	10	11
KNOWLEDGE	Theoretical - Factual	Possesses advanced knowledge and understanding, based on the competences acquired at the undergraduate level, that provides the necessary basis for original work in the core field of architecture, planning and design.	●	●	●				●	●			
		Has critical awareness of issues concerning the nature and sources of knowledge, knowledge production and the testing of knowledge at the interfaces between architecture / planning / design and other related fields.	●	●		●						●	●
SKILLS	Cognitive - Applied	In the professional master's degree, acquires the cognitive and practical skills required for professional practice competence.			●		●	●	●				
		Applies the acquired knowledge, understanding and problem-solving skills in new and unfamiliar settings, within broader interdisciplinary, multidisciplinary and transdisciplinary contexts related to the field.			●	●		●	●	●			
		Has the specialized problem-solving skills required to develop new knowledge and methods in the relevant research field and to integrate knowledge from different fields.		●		●		●	●			●	
		Critically conducts academic research and conducts academic dialogue for its critical and categorical outcomes.	●	●			●				●	●	
COMPETENCES	Competence to Work Independently and Take Responsibility	Independently manages a study related to the field that requires expertise.		●							●	●	●
		Acts independently and takes responsibility in work and learning environments; defines and manages a project.			●	●			●		●	●	
		Manages and transforms work or learning contexts that are complex, unpredictable and require new strategic approaches.			●	●			●	●	●		
		Contributes to the professional knowledge and practice of teams working in academic or practice settings in the field and/or takes responsibility for reviewing their strategic performance.				●	●				●		●
	Learning Competence	Has learning skills that allow learning to be largely self-directed or pursued independently.		●				●				●	●
	Communication and Social Competence	Shares the findings and conclusions of a study, and the knowledge and rationale underlying them, clearly and systematically with expert and non-expert groups.					●					●	●
		Demonstrates dialectical thinking about social norms and relations and takes the lead for change.	●			●				●	●		
		Communicates orally and in writing using a foreign language at least at the European Language Portfolio B2 General Level.					●				●	●	
		Uses language, symbols and texts interactively.	●				●			●			
		Uses information and communication technologies, together with computer software, interactively at an advanced level as required by the field.					●	●	●				
	Field-Specific Competence	Conducts academic research systematically and critically and conducts academic dialogue for its critical and categorical outcomes; presents papers and publishes in national and international settings.	●	●			●					●	●
		In the professional master's degree, has the competences required to obtain the valid certification for professional practice competence.			●				●		●		
		Being aware of the social and ethical responsibilities that may arise from the application of their knowledge and decisions, integrates knowledge, handles complex situations and makes decisions with incomplete or limited information.			●				●	●	●		
		Develops strategies, policies and implementation plans on issues related to the field and evaluates the results obtained within the framework of quality processes.				●			●	●	●		●
		Produces comprehensive projects related to the field: using the acquired knowledge, understanding and skills, produces a comprehensive project that demonstrates the capacity to make design / planning decisions at different scales [with an interdisciplinary, multidisciplinary, transdisciplinary approach].			●	●	●		●	●			

ESOGU ARCHITECTURE PhD

PO1- Advanced Theoretical and Epistemological Understanding Critically evaluating advanced theoretical, epistemological and methodological knowledge on architecture, the city, design and the physical environment; developing original theoretical approaches by questioning the field's current knowledge production processes.
PO2- Interdisciplinary Research and Knowledge Synthesis Developing interdisciplinary, multidisciplinary and transdisciplinary research strategies by relating the field of architecture to fields such as the social sciences, engineering, environmental sciences, technology, art and cultural studies; reaching original results by integrating different fields of knowledge.
PO3- Research Methods, Strategies and Academic Ethics Using research strategies, methods, data generation processes and academic publication standards at an advanced level; conducting original research in line with the principles of scientific research and publication ethics.
PO4- Original Research and Innovative Knowledge Production Defining original research problems in the field of architecture; developing new knowledge, methods, approaches, models, designs or applications; offering original contributions to the field by reinterpreting existing knowledge and professional practice.
PO5- Critical, Dialectical and Creative Thinking Analyzing new and complex architectural, urban and environmental problems through critical, dialectical and creative thinking processes; developing new frameworks of thought and research through analysis, synthesis, interpretation and evaluation.
PO6- Academic Research and Publication Output Independently planning, conducting and completing high-quality and innovative academic research; being able to share research outputs in national and international academic settings through publications, papers, seminars and other means of scientific communication.
PO7- Building Technologies, Energy and Physical Environment Performance Conducting advanced research, modeling, analysis and evaluation studies on building technologies, building physics, energy performance, building performance simulation, environmental control systems, user behavior and physical environment relations.
PO8- Critical Approaches to Ecology, Cultural Heritage and the Built Environment Developing environmentally, culturally and socially sensitive research and design approaches by critically evaluating the relationships among ecology, sustainability, cultural heritage, the city, public space and social context.
PO9- Professional Practice, Strategy and Policy Development Developing strategies, policies and implementation plans in the fields of architecture and the built environment; demonstrating leadership, decision-making and innovation skills in complex and unpredictable working conditions.
PO10- Academic and Professional Communication Effectively expressing new and complex ideas in the research field using written, oral, visual and digital tools; being able to communicate at an advanced level with expert communities, academic circles and society.
PO11- Social, Cultural and Ethical Responsibility Observing social, scientific, cultural and ethical responsibilities in research and practice processes; contributing to the solution of problems related to the built environment by acting in line with the principles of academic integrity.
PO12- Independent Work, Leadership and Lifelong Learning Independently managing academic and professional work; demonstrating leadership and innovation in developing new ideas and processes; being able to sustain learning processes throughout life and contributing to knowledge-based social development.

TQF-HE – PROGRAM OUTCOMES MATRIX
Architecture Graduate (PhD)

			ESOGU ARCHITECTURE PhD PROGRAM OUTCOMES											
			1	2	3	4	5	6	7	8	9	10	11	12
KNOWLEDGE	Theoretical - Factual	Possesses systematic knowledge and understanding covering the latest developments in the research field, based on the competences acquired at the master's level, in order to make a significant and original contribution to knowledge in the field.	●			●	●		●					
		Possesses the necessary knowledge and understanding of the ethical principles underlying the norms and standards of good practice in research and publication.			●			●					●	
		Possesses the necessary knowledge and understanding of teaching / learning and assessment strategies and their theoretical foundations.						●				●		●
		Possesses knowledge and understanding of the latest developments at the interfaces between the research field and other related fields.		●					●	●				
		Possesses knowledge and understanding of the interdisciplinary, multidisciplinary and transdisciplinary research strategies, tactics and techniques used at the interfaces between the research field and other related fields.		●		●	●		●	●				
SKILLS	Cognitive - Applied	Acquires the most advanced specialized skills and techniques, including synthesis and evaluation, required to define problems, solve significant problems, and extend and redefine existing knowledge or professional practice in research and/or innovation.				●	●		●	●	●			
		Has mastery in using the relevant research strategies, tactics and techniques.			●	●		●	●					
		Has the ability to conduct pioneering academic research dialectically and to enter into pioneering academic dialogue for its dialectical outcomes.	●				●	●				●		
		In a professional doctorate, demonstrates engagement in theoretical inquiry capable of enhancing the effectiveness of the professional practice community and its understanding of professional design.				●			●	●	●			
COMPETENCES	Competence to Work Independently and Take Responsibility	Demonstrates competence at the highest level in academic or professional contexts, including research contexts: notable authority, innovation, autonomy, academic and professional integrity, and commitment in the development of new ideas or processes.				●		●					●	●
		Makes decisions and acts by relating them to knowledge and understanding of a broader social, cultural, economic and historical context					●				●	●		●
		Contributes to knowledge in the field by developing a high-quality work based on original research, part of which merits publication in national and international peer-reviewed journals.				●		●				●		
		Demonstrates leadership and innovation in work and learning conditions that require solving new, complex, unpredictable problems involving many interrelated factors.					●				●			●
	Learning Competen ce	Contributes to technological, social and cultural progress in a knowledge-based society in academic and professional contexts.							●	●	●	●		●
		Demonstrates the capacity to develop new ideas; has a high-level understanding of learning processes.				●	●					●		●
	Communica tion and Social	Analyzes, evaluates and synthesizes new and complex ideas corresponding to the most advanced level in the research field with a critical and dialectical approach.	●				●					●		
		Communicates effectively about their area of expertise with peers, the wider research community and society in general.						●			●	●		
		Communicates and debates at an advanced level in written, oral and visual form using a foreign language at the European Language Portfolio C1 General Level.						●				●		
	Field-Specific Competence	Contributes to knowledge in the field by developing a high-quality work based on original research, part of which merits publication in national and international peer-reviewed journals.				●		●				●		
		Demonstrates experience of operational interaction with the capacity to make decisions in the face of complex problems related to the field.					●		●		●			
		Analyzes, evaluates and synthesizes new and complex ideas corresponding to the most advanced level in the research field with a critical approach.	●				●			●				
		Carries out critical, dialectical analysis, evaluation and synthesis of new and complex ideas.	●	●			●							
		Establishes, designs, implements and adapts a research process related to the field with academic integrity.			●			●					●	●
		Supports the development of social, scientific, cultural and ethical values related to the field, contributes to solving problems, and is effective in decision-making processes.								●	●		●	●