

T.R.
FIRAT UNIVERSITY FACULTY OF ARCHITECTURE
DEPARTMENT OF ARCHITECTURE
COURSE CONTENTS

1. SEMESTER

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1101	Architectural Project I	C	4	4	6	8
Course Content						
To learn about the fundamentals of architecture; to learn about the architectural planning and programming process; to analyze residential spaces, to understand the contribution of environmental problems to the design phase; to draw a single-story house; to teach spatial organization with introductory information to the architectural design process; to develop conceptual thinking, drawing and model production skills through small-scale and simple functional projects; to make basic analyses on space, form, function, context and user relations; to provide the studio culture of architectural education while encouraging creative thinking.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1103	Basic Design I	C	2	2	3	4
Course Content						
Creating effective compositions using basic design elements; Applying Da Vinci's principles and other conceptual elements in designs; Creating aesthetic visuals by using different textures and patterns in their designs; Solving complex design problems by using geometric forms and multiplying units; Developing original solutions using the stages of the design process and creative methods.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1105	Architectural Presentation Techniques	C	1	2	2	3
Course Content						
To be able to transfer any object to paper in scale; to draw a two-dimensional object in three dimensions and a three-dimensional object in two dimensions; to be able to derive the views of an object whose plan is given; to be able to take a cross-section of any object; to acquire basic architectural knowledge; to teach narrative methods that enable architectural ideas to be expressed accurately, effectively and creatively; to introduce and apply different expression techniques such as drawing, model, diagram, collage and digital visualization; to focus on the basic elements of architectural presentation such as graphic language, scale, proportion, composition and visual hierarchy; to evaluate the contribution of different narrative tools to the design process and their communication power.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1107	Static and Strength	C	4	0	4	4
Course Content						
Development and variety of carrier systems, types of loads and types of supports; calculation of internal forces and moments resulting from external loads and drawing their diagrams; calculation of basic geometric characteristics of sections to be used in dimensioning carrier systems; ductile/brittle materials, mechanical properties of materials, stresses resulting from internal forces and moments; dimensioning principles of carrier system elements and necessary verifications for dimensioning.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
YDİ107	English I	C	2	0	2	2
Course Content						
Making simple sentences in English; using sentence elements correctly; reading and understanding beginner level texts; speaking and writing at the beginner level; vocabulary, English readings, expressing different tenses with appropriate grammar.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MAT1161	Mathematics	C	4	0	4	4
Course Content						
Complex numbers; functions; trigonometry, hyperbolic functions, limit, continuity, derivative, integral; matrices and their types, determinants; systems of linear equations; Cramer's theorem; creating solutions to mathematical problems in related subjects.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
AIT101	Ataturk's Principles and Revolutionary History I	C	2	0	2	2
Course Content						
The late Ottoman political, economic and social life; Ottoman innovation movements; understanding the wars and agreements that brought the end of the Ottoman Empire; the preparation process of the National Struggle and the developments that took place; understanding the importance of the National Struggle.						

2. SEMESTER

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1102	Architectural Project II	C	4	4	6	8
Course Content						
Adoption of design criteria for user comfort in all stages of design; specification of interior richness, appropriate sizing-shaping-relationships/flows; skill in using current technology design principles; skill in establishing load-bearing system and material relationships.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT

MİM1104	Basic Design II	C	2	2	3	4
Course Content						
Gaining the ability to reflect design principles to architectural design; developing the ability to think and design in three dimensions; establishing relationships with other design disciplines; strengthening spatial thinking and three-dimensional design skills by developing the concepts acquired in Basic Design I; working on space organization through design principles such as form, proportion, balance, rhythm, movement and contrast; experiencing the relationships between materials, textures and light by transforming abstract thought into concrete productions.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1106	Perspective and Shadow	C	1	2	2	3
Course Content						
To gain the ability to think and express in three dimensions; to understand the rules of parallel perspective (types of oblique parallel perspective - calvalyer, meliter and perpendicular parallel perspective types - isometric, dimetric and trimetric); to contribute to architectural expression; artistic perspectives; creating shadow effects in drawings of buildings and structures.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1108	Building Theory and Design	C	3	0	3	3
Course Content						
To define the natural and artificial environment relationships in the architectural design process; to criticize the contribution of environmental problems to the design phase; to provide knowledge and skills regarding the solution of a design problem related to housing; to develop research skills in the architectural design process; to understand the relationship between design decisions and the environment.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1110	History of Architecture I	C	2	0	2	2
Course Content						
Prehistoric architecture; architecture of ancient civilizations (Egypt, Mesopotamia, Persia, Sassanid, Greek, Roman); structural developments in medieval European architecture; construction techniques before the Industrial Period; European architecture before the Industrial Period.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
YDİ108	English II	C	2	0	2	2
Course Content						
Ability to construct simple sentences in English; knowledge of using the elements of English sentences correctly; ability to read, understand, interpret and answer questions about texts at the beginner level; ability to speak and write English at the beginner level.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
AİT102	Ataturk's Principles and Revolution History II	C	2	0	2	2
Course Content						
The importance of the National Struggle; the revolutionary movements of the Atatürk Period; the developments in Turkish foreign policy during the Atatürk Period; understanding and grasping Atatürk's principles; being able to make some predictions about Türkiye after Atatürk.						

• **FIELD ELECTIVE COURSE I**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1112	Philosophy and Sociology in Architecture	E	2	0	2	3
Course Content						
The ability to comprehend the relationship between philosophy and architecture; to analyze a form aesthetically in a way that meets the desired requirements - to design the process; to interpret structures through design principles; to gain the ability to analyze structure-architecture sociologically.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1114	Museums and Architects	E	2	0	2	3
Course Content						
Ability to comprehend the concept and components of the museum; ability to analyze and interpret the museum and its architecture and the concept of today's museum; ability to gain experience in museum approaches and to prepare for competition projects; developing the analysis process and design skills of buildings through the museum-architecture-conservation relationship.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1116	Introduction to Architecture and Ethics	E	2	0	2	3
Course Content						
To develop ethical awareness; to provide architectural and professional awareness; to introduce the historical development, basic concepts and social responsibilities of the architectural profession; to raise professional awareness by discussing the relationship of architecture with cultural, environmental and technological contexts; to provide basic information on ethical principles, professional ethics and the public role of the architect; to develop critical thinking skills by analyzing ethical dilemmas encountered in architectural practice; to emphasize that architecture is not only a design field but also a field of responsibility that requires an ethical stance.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM1118	Model Making Techniques	E	2	0	2	3
Course Content						
Developing manual skills with technical knowledge in three-dimensional expression, bringing together design with aesthetic thought in the 3rd dimension and preparing an intellectual presentation; using three-dimensional imagination at every stage of design and interpreting the basic principles of design in three dimensions; expressing each stage of the design process with three-dimensional forms while presenting different model making techniques with different materials and unique presentations; creating a three-dimensional visual perception at the stage of harmony of the composition of interior and exterior spaces with their fittings in architectural design, interpreting the correct result by producing different alternatives						

and presenting it in an original way; choosing the right one from different information by analyzing and synthesizing it with experimental studies, presenting the final product in the best way with the right materials.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM1120	Landscape Design	E	2	0	2	3
Course Content						
Understanding the design approach of a simple structure's landscape project; capturing a common language with the discipline of landscape architecture; developing an architectural project compatible with the landscape project; explaining the task and field of work of landscape architecture; understanding the importance of the relationship between humans and their environment.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM1122	Building Information	E	2	0	2	3
Course Content						
Acquiring basic architectural knowledge; being able to conduct scientific research in the field of architecture, thinking critically; being aware of the need for continuous professional development; the ability to use the techniques, skills and modern tools necessary for architectural practice; producing original and creative solutions to architectural problems using contemporary technology.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM1124	Sketching Techniques	E	2	0	2	3
Course Content						
To express design ideas visually effectively using various sketching techniques; to accurately represent three-dimensional spaces and objects using different perspective techniques; to create complex designs by accurately drawing geometric forms and volumes; to create depth and realism in sketches using light and shadow techniques; to create effective digital sketches using digital tools.						

3. SEMESTER

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM2101	Architectural Project III	C	4	4	6	8
Course Content						
Considering design criteria for everyone in all stages of design, taking precautions; specifying interior space richness, appropriate dimensioning-shaping-relationships/flows, using current technology design principles; selecting building subsystems such as heating, ventilation, lighting, plumbing, drainage, electricity, etc. and evaluating energy efficient methods and techniques in this selection; ensuring heat, sound, noise, water, humidity and fire protection of the building by taking into account the necessary regulations in building construction (Earthquake Regulation, Heat Protection Regulation, Noise Control Regulation, Fire Protection Regulation, etc.); selecting the carrier system by taking into account the construction method, loads, openings, environmental conditions, etc., and the ability to establish carrier system and material relationships.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM2103	Building Materials	C	2	0	2	2
Course Content						
To recognize the materials to be used in architectural construction; to compare materials from different aspects; to suggest different materials in architectural projects; to examine the properties, performance and usage areas of basic materials used in the construction of buildings; to examine in detail traditional and modern materials such as wood, concrete, steel, glass and stone; to make decisions by considering environmental, economic and aesthetic factors in material selection; to focus on how to evaluate materials in terms of structural durability, energy efficiency and sustainability; to discuss the environmental impacts of building materials such as production processes, life cycle and recycling.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM2105	Structural Statics	C	3	0	3	3
Course Content						
Learning the basic concepts of structural analysis; learning the basic principles of structural mechanics; learning the displacement and force methods in structural analysis; learning how to create internal force diagrams of statically indeterminate systems; understanding different structural system behaviors.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM2107	Building Elements I	C	2	2	3	4
Course Content						
To have knowledge about the load-bearing systems of buildings and the materials used in the building elements; to have knowledge about the application systems; to have the ability to analyze the design and application details; to examine the functions of the basic elements of buildings, such as walls, floors and foundations, and their roles in building systems; to learn the design, structural properties and material selections of each building element; inferences on the static and dynamic load-carrying capacities of building elements; examples of how the elements work in harmony with each other in terms of functionality and aesthetics.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM2109	Computer-Aided Architectural Design - 2D	C	1	2	2	3
Course Content						
Gaining the ability to independently create two and three-dimensional architectural drawings in AutoCAD; preparing projects in accordance with technical drawing rules and professional standards; optimizing design processes with digital tools and managing projects more efficiently; developing visualization skills and presenting projects effectively; gaining teamwork skills by collaborating on CAD projects and managing file sharing.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM2111	History of Architecture II	C	2	0	2	2
Course Content						

To explain the process of change in world architecture between the 15th and 20th centuries; to raise sensitivity to the basic information and meaning of the art and architectural heritage before and after the industrial revolution; to arouse interest in the design principles that changed with industrialization and to establish the relationship between technological development and the phenomenon of building construction; to analyze the semantic connection established between art and architectural designs and the culture that created them in the 20th century; to construct new methods and designs from the complex structures and critical interpretations of contemporary architectural designs.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
TRD209	Turkish Language I	C	2	0	2	2
Course Content						
To know the Turkish Language; the basic features of our language; the history of our language, its development process and current usage; the ability to speak and write beautifully; to properly reveal the structural and functional features of our language; to acquire the ability to use Turkish correctly and beautifully as a written and oral expression tool in terms of the language-thought connection.						

• **FIELD ELECTIVE COURSE II**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2113	Ancient Architecture	E	2	0	2	3
Course Content						
To be able to comprehend the characteristics of ancient architecture; To be able to list the types of structures in ancient times; To understand what types of structures were found in ancient cities; To be able to list the building materials in ancient architecture; To be able to recognize the building techniques of ancient times.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2115	Turkish Arts and Architecture	E	2	0	2	3
Course Content						
The ability to use historical and cultural inputs in local and world architecture; to gain information about Turkish arts; to gain information about the techniques and practices of Turkish arts; to understand which period the work or structure belongs to when looking at Islamic works; to recognize the architectural elements that make up historical structures.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2117	Decoration and Proportion in Architecture	E	2	0	2	3
Course Content						
Understanding of proportion systems affecting planning principles throughout history; Understanding of aesthetic and proportion relationships in ancient philosophy; Having knowledge of architectural decoration; Having knowledge of the formation of architectural decoration in various civilizations according to chronology; Being able to understand which period a building is in by looking at its decoration.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2119	Basic Design on Architectural Facades	E	2	0	2	3
Course Content						
To be able to analyze the effect of basic design on architectural expression; to be able to interpret basic design principles through important structures in the history of modern architecture.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2121	The Concept of Housing in Architecture	E	2	0	2	3
Course Content						
To gain the ability to use the theoretical knowledge learned about housing in practical courses such as architectural design; to gain the ability to understand and evaluate the mass housing systems in Türkiye; to gain the ability to evaluate the current housing problem in Türkiye.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2123	Interior Design	E	2	0	2	3
Course Content						
To be able to learn the basic principles and aesthetic principles of interior design; to be able to make functional arrangements of the space and create space planning; to be able to develop appropriate designs with color theory and material selection; to be able to increase space comfort using lighting and ergonomic principles; to be able to create projects that reduce environmental impacts by applying sustainable design principles.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2125	Interior Space and Furnishing Relationship	E	2	0	2	3
Course Content						
To be able to understand the definition, functions and basic concepts of interior fittings; to be able to analyze the effects of fittings on the aesthetics and functionality of the space; to be able to learn the historical stages of interior fittings and the changes in their design; to be able to create functional and user-friendly equipment designs by taking into account ergonomic principles; to be able to make equipment choices that reduce environmental impacts in line with sustainability principles.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2127	Computer Aided Modeling	E	2	0	2	3
Course Content						
Ability to do three-dimensional modeling and visualization; ability to model with Sketchup, one of the most widely used programs in the field; ability to assign light, texture, and material to modeling; ability to animate; basic computer-aided modeling techniques for creating architectural projects in a digital environment; ability to bring designs to life in a digital environment using 3D modeling software (e.g., Rhino, SketchUp, AutoCAD).						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2129	Ergonomics in Architecture	E	2	0	2	3
Course Content						

Information and basic concepts related to ergonomics; the necessity and methods of interdisciplinary studies and applications; the importance and consideration of the fields required by ergonomics science when analyzing the design product; the importance of ergonomics in living spaces; understanding ergonomic measurements.

4. SEMESTER

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2102	Architectural Project IV	C	4	4	6	8
Course Content						
The ability to consider design criteria for everyone in all stages of design, to take precautions; to specify interior richness, appropriate sizing-shaping-relationships/flows, to use current technology design principles; to select building subsystems such as heating, ventilation, lighting, plumbing, drainage, electricity, etc., and to evaluate energy-efficient methods and techniques in this selection; to provide heat, sound, noise, water, humidity and fire protection of the building by taking into account the necessary regulations in building construction (Earthquake Regulation, Heat Protection Regulation, Noise Control Regulation, Fire Protection Regulation, etc.); to select the carrier system by taking into account the construction method, loads, openings, environmental conditions, etc., and to establish the relationships between the carrier system and materials.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2104	Reinforced Concrete Structures	C	3	0	3	3
Course Content						
To have knowledge about the mechanical properties of reinforced concrete as a building material; to learn the design of reinforced concrete carrier systems; to calculate the bearing capacity method and to be able to calculate reinforced concrete structural elements according to this method; to have knowledge about the reinforcement rules and arrangements of reinforced concrete elements; to understand the loads that may come to the building in the horizontal direction.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2106	Physical Environment Control Studio I	C	1	2	2	3
Course Content						
Ability to design by taking passive air conditioning into account according to the climate zone examined; ability to select heating systems appropriate to the building function and to ensure the level of integration with other systems; ability to select health equipment systems appropriate to the building function; ability to design a fire evacuation plan in terms of fire safety of the examined space.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2108	Building Elements II	C	2	2	3	5
Course Content						
Understanding the basic principles and application methods of vertical circulation design and construction; acquiring the ability to design building-vertical circulation suitable for people with different physical disabilities; understanding the basic principles and application methods of building envelope materials and systems design; the ability to select, integrate and design the basic principles of the components and elements that make up the building; having the ability to solve details when necessary.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2110	Computer Aided Architectural Design-3D	C	2	2	3	4
Course Content						
To have knowledge about new technologies and software in the field of architecture; to use the techniques, skills and modern tools necessary for architectural practices; to gain architectural presentation skills; to gain digital representation skills in design; to produce original and creative solutions to architectural problems using contemporary technology.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM2112	History of Architecture III	C	2	0	2	2
Course Content						
To become aware of the relationship between social, political and technical changes and architectural production; to learn about Islamic architecture; to learn about the architecture of the Seljuk and Principalities Period; to learn about the architecture of the Early and Classical Ottoman Period; to learn about the Late Ottoman Architecture.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
TRD210	Turkish Language II	C	2	0	2	2
Course Content						
Written and oral expression characteristics of the Turkish language; adopting the rules of spelling and punctuation by demonstrating them on texts; examining grammar and its parts, having a simple and strong expression; developing vocabulary through written and oral texts; gaining the skill and habit of expressing feelings, thoughts, plans, impressions, observations, experiences accurately and effectively in words and writing.						

5. SEMESTER

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3101	Architectural Project V	C	4	4	6	8
Course Content						
Providing advanced architectural design skills; data collection, research and transfer on complex urban textures; solving design problems defined in an interdisciplinary intersection area as architectural objects with appropriate design strategies; advanced architectural design coordination.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3103	Urban Planning Project	C	2	2	3	4
Course Content						

Acquiring spatial planning and design skills at the urban scale; acquiring the ability to develop projects at the urban design scale; understanding the relationship between the building and its surroundings; understanding the rules of planning and design at both the building and regional scales through implementation projects; acquiring the ability to approach urban space and architectural design at a large scale.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3105	Physical Environment Control Studio II	C	1	2	2	3
Course Content						
To be able to apply the basic principles of sound insulation in building elements; to have the basic principles of room acoustics and to put them into practice; to be able to design the built environment as a system that controls noise and to be able to apply the basic principles of noise control; to be able to analyze the design variables related to the built environment that are effective in light control; to be able to apply the basic principles of artificial lighting system.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3107	Historical Environmental Conservation Information	C	3	0	3	3
Course Content						
Developing the ability to read the different effects of culture on architectural structure and fabric; having knowledge and awareness on culture and conservation issues in local, regional, national and general terms; introducing the basic concepts, principles and approaches related to the conservation of historical environments; issues of documenting, evaluating and sustainably preserving cultural heritage; analysis of structures and areas within the historical fabric in terms of authenticity, integrity and context; the role of national and international conservation legislation and institutions such as UNESCO and ICOMOS; transfers aimed at ensuring that future architects design with a sensitive, conscious and ethical approach to the historical environment.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3109	Zoning and Building Law	C	2	0	2	2
Course Content						
To be informed about the city and urbanization issues; to acquire general information about planning and the ability to approach from the city scale; to be informed about zoning law; to be informed about different functional areas and planning problems; to gain information on how to construct the relationship between planning and architecture.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3111	History of Architecture IV	C	2	0	2	2
Course Content						
To learn about modernist paradigms; to understand the basis of today's social order and architectural organization; to know the rapidly changing architectural movements after modern architecture; to understand the impact of modern architecture in Türkiye; to understand the development of national architecture in Türkiye after the Republic.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3113	Professional Practice I	C	0	2	1	2
Course Content						
To gain the ability to read and interpret projects on site; to gain critical thinking and troubleshooting skills; to observe and gain experience in the detailing of applied building components other than theoretical knowledge; to gain teamwork skills and to have knowledge about construction site management-work flow chart; to gain knowledge about general building systems and components.						

• **FIELD ELECTIVE COURSE III**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3115	Wooden Structures	E	2	0	2	3
Course Content						
To be able to explain the physical properties of wood; to define the load-bearing elements in wood construction; to define the design and application principles of architectural elements in wood construction; to explain different joining techniques; to explain the design principles of building shells in wood construction.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3117	Museum Architecture	E	2	0	2	3
Course Content						
Increased design skills in space organization in museums; knowledge of technical volumes and equipment in museums; increased skills in the correct design of circulation areas and elements in museums.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3119	Kitchen Design	E	2	0	2	3
Course Content						
Understanding of proportion systems affecting planning principles throughout history; Understanding of aesthetic and proportion relationships in ancient philosophy; Having knowledge of architectural decoration; Having knowledge of the formation of architectural decoration in various civilizations according to chronology; Being able to understand which period a building is in by looking at its decoration.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3121	Architectural Photography and Documentation	E	2	0	2	3
Course Content						
To be able to develop functional and aesthetic designs in residential and industrial kitchens; to be able to make effective kitchen layout plans and ergonomic arrangements; to be able to make material and surface selections according to durability and aesthetic criteria; to be able to apply storage solutions and organization strategies in both types of kitchens; to be able to develop projects by taking sustainability and environmental factors into consideration in kitchen design.						

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3123	Steel Structures	E	2	0	2	3
Course Content						
Aesthetic and functional analysis of steel structures; understanding of steel structural systems; development of steel structure design skills; understanding of the design, analysis and aesthetic values of steel structures; application of technical knowledge.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3125	Material Selection in Construction	E	2	0	2	3
Course Content						
Understanding material properties; material selection criteria; use of materials in design; learning sustainability principles; evaluating material performance.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3127	Architectural Topics	E	2	0	2	3
Course Content						
Understanding and applying land shaping methods; analyzing topographic curves and their features; developing architectural projects compatible with the land; designing and leveling building perimeter elements such as terraces, pools, and amphitheaters in accordance with the topography; being able to calculate excavation and filling.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3129	Cinema and Architecture	E	2	0	2	3
Course Content						
Summarizing the basic and general concepts of cinema terminology; summarizing the methods of reading a film; expressing one's own original ideas about the relationship between cinema and architecture, how a film is read, and one's comments on the subject in front of an audience.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3131	Architectural Presentation Techniques	E	2	0	2	3
Course Content						
To be able to create professional visuals using Adobe Photoshop tools; to prepare high-quality presentation materials by editing and manipulating architectural visuals; to increase the visual depth of projects with layers and effects in Photoshop; to prepare impressive presentations with correct composition and perspective techniques; to apply professional techniques to present projects effectively in digital and printed media.						

• **FIELD ELECTIVE COURSE IV**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3133	European Architecture	E	2	0	2	3
Course Content						
To determine the sources of European Architecture; to understand the preparatory conditions and changes of Romanesque and Gothic architectures; to determine the place of Renaissance Architecture in European History; to determine the changing living conditions with the Industrial Revolution and the changing understanding of architecture accordingly; to examine the conceptual frameworks that constitute architecture through Medieval European architectures.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3135	Architectural Awards and Their Architects	E	2	0	2	3
Course Content						
To learn about national architecture awards; to learn about international architecture awards; to get to know award-winning architects; to understand the impact of award-winning architects' projects on architecture; to learn about architectural competitions organized on a national scale; to analyze projects that have won awards in national and international competitions in Türkiye and around the world, and to learn about the design criteria of the architects of these projects.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3137	Solar Architecture	E	2	0	2	3
Course Content						
To be able to develop sustainable building designs that can use solar energy effectively; to produce climate-friendly solutions by analyzing the factors affecting thermal comfort; to integrate passive house and green building design principles into projects; to create design strategies that reduce the urban heat island effect; to be able to provide layout and orientation appropriate to the environmental and topographic features of buildings.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3139	Building Production Systems	E	2	0	2	3
Course Content						
To acquire basic architectural knowledge; to be able to conduct scientific research in the field of architecture, to think critically; to be aware of the need for continuous professional development; to have the ability to use the techniques, skills and modern tools necessary for architectural practice; to produce original and creative solutions to architectural problems using contemporary technology.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3141	Heat and Humidity	E	2	0	2	3
Course Content						
To be able to determine the building shell section suitable for different climate zones; to be able to use measuring instruments related to heat and humidity; to make decisions regarding the building shell section in line with current regulations; to have knowledge about materials related to heat and humidity; to benefit from and protect from solar radiation.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3143	Architectural Lighting	E	2	0	2	3

Course Content						
To gain the ability to establish a relationship between architectural design and lighting, to contribute to visual comfort and spatial design while performing visual perception; to gain the ability to determine the color properties of light in architectural design, its directional structure, shadows to be formed and brightness level distributions; to gain technical information about lighting techniques, to have theoretical and practical information about the basic principles of natural lighting, to be able to establish the relationship between sustainable architecture and natural lighting and to be able to transfer them consciously to architectural projects.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3145	Building Information Modeling	E	2	0	2	3
Course Content						
To have knowledge about what a building information model is; to design a system, part or process to meet the desired requirements; to gain the ability to define and solve architectural problems; to gain the ability to use the techniques, skills and modern tools necessary for architectural practices; to increase skills in reading and evaluating the created graphics and data.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3147	Turkish House	E	2	0	2	3
Course Content						
To be able to understand the terms that constitute the Turkish house and to classify them in terms of spatial organization; to compare the plan structure, facade features, construction technique and ornamentation features of the Turkish house; to comprehend the socio-cultural and physical norms that affect the formation of houses by comprehending the formation process of the Turkish house; to obtain, evaluate, record and apply relevant information in architectural processes; to know the historical environment and to gain protection awareness; to have, define and gain the ability to apply the basic techniques required to document historical monuments and structures and to prepare restoration projects.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3149	Volume Acoustics	E	2	0	2	3
Course Content						
To gain the ability to prepare and implement a room acoustics project; to gain the ability to evaluate existing halls in terms of acoustics; to understand the basic principles in the design of environmental systems; to gain the ability to protect artificial resources in architectural and urban design decisions of sustainability; to be able to create healthy buildings and settlements in the context of acoustic sustainability.						

6. SEMESTER

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3102	Architectural Project VI	C	4	4	6	8
Course Content						
Adoption of design criteria for user comfort in every quality during the design process; interior richness, specification of appropriate sizing-shaping-relationships/flows, ability to use current technology design principles; selection of carrier system and materials, ability to establish their relationships; solving interdisciplinary design problems as architectural objects with necessary design strategies.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3104	Restoration Project	C	4	4	6	8
Course Content						
Gaining the ability to document architecture by taking appropriate measurements in historical buildings and environments; learning the methods for conducting literature and historical research on historical buildings and environments; being able to make restoration decisions with appropriate methods; learning how to present survey-restitution and restoration drawings and reports to conservation boards with appropriate presentation techniques.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3106	Project and Cost Management	C	2	2	3	5
Course Content						
Learning the contexts of Project Management and project control; being able to plan projects; understanding the importance of teamwork and effective communication required in project management; developing a holistic approach to the architecture-engineering-construction sector; being able to prepare a cost model for a construction site project.						

• FIELD ELECTIVE COURSE V

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3108	Energy Efficient Building Design Strategies	E	2	0	2	3
Course Content						
To provide information about the importance of energy and energy consumption in a society; to point out the effects on social, economic and environmental problems; to be able to design and develop energy efficient buildings in a cost-effective and environmentally friendly way; to provide information about the importance of energy and energy consumption in a society.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3110	Architecture and Color	E	2	0	2	3
Course Content						
To grasp the basic concepts of the color wheel, color harmonies and color theory; to understand the psychological and emotional effects of colors and to apply these effects in architectural designs; to analyze how colors change the perception of space and to develop appropriate color strategies; to demonstrate in practice how color and material choices interact in projects; to make color choices that reduce environmental impacts by taking into account sustainability principles.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3112	Research Methods in Architectural Design	E	2	0	2	3

Course Content						
To provide research skills in architecture; to introduce basic research methods used in the architectural design process; to examine in detail methods such as qualitative and quantitative research techniques, case studies, field studies and user analysis; to gain skills in collecting, analyzing and interpreting data within the framework of a design problem; to evaluate every aspect of how the research process affects design decisions; to ensure that an original and systematic research is conducted on a specific architectural subject.						
CODE	COURSE NAME	E	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3114	New Approaches in Architectural Design	E	2	0	2	3
Course Content						
To ensure that architectural knowledge is kept up to date; to address innovative design methods and ways of thinking that emerge in contemporary architecture; to examine the impact of digital design tools and technological developments on the architectural process; to discuss current issues such as sustainability, parametric design and user-centered architecture; to develop innovative design proposals by putting theoretical knowledge into practice; to gain a critical perspective on future architectural visions by analyzing sample projects.						
CODE	COURSE NAME	E	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3116	Anatolian City Architecture and Culture Environment from Past to Present	E	2	0	2	3
Course Content						
To understand the importance of the concept of cultural heritage; to grasp the effect of cultural structure on space; to establish a relationship between the concepts of identity, perception and memory and space; to recognize the factors that form the physical structure of cities; to understand the effect of identity on design decisions and the relationship with the environment.						

• **FIELD ELECTIVE FIELD COURSE VI**

CODE	COURSE NAME	E	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3118	Noise Control in the Physical Environment	E	2	0	2	3
Course Content						
To be able to define the terms sound, frequency, acoustics and noise; to have information about national and international legal regulations regarding noise; to have information about noise sources and the effects of noise on the environment; to be able to define the methods used in preventing noise pollution; to learn the sources and types of noise, to be able to develop solution suggestions to reduce the negative effects of noise pollution on the environment.						
CODE	COURSE NAME	E	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3120	Contemporary Structural Systems	E	2	0	2	3
Course Content						
Learning the general design concept of building structure systems and their development throughout the historical process; learning the construction technologies of large-span and high-rise buildings; learning the developments in materials used in load-bearing systems; learning how to create technological structures with high-strength materials; the importance of the building carrier in architectural formation.						
CODE	COURSE NAME	E	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3122	Building Acoustics	E	2	0	2	3
Course Content						
To gain the ability to prepare a suitable noise control project for the problem and to supervise and direct the applications; to gain the ability to obtain, evaluate, record and apply relevant information in architectural processes; to gain the ability to understand the basic principles of acoustics-related issues in the design of environmental systems; to acquire the basic principles for considering noise as a design factor in architectural design; to gain information on legal sanctions for noise control.						
CODE	COURSE NAME	E	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3124	Artificial Intelligence in Architecture	E	2	0	2	3
Course Content						
To have knowledge about what artificial intelligence is; to gain advanced skills for the application of machine learning and deep learning models in architectural applications; to present architectural ideas and suggestions verbally, in writing and visually using up-to-date information and computer-based communication technologies and tools; to gain the ability to use the techniques, skills and modern tools necessary for architectural applications; to increase skills in reading and evaluating the created graphics and data.						
CODE	COURSE NAME	E	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3126	Advanced Presentation Techniques	E	2	0	2	3
Course Content						
Creating professional presentation materials using Photoshop's advanced tools; designing dynamic presentations with layers and masks; creating effective presentation formats by preparing templates and layouts; preparing dynamic presentations with interactive content and animations; presenting professional visuals for architectural design projects.						
CODE	COURSE NAME	E	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3128	Virtual Reality in Building Applications	E	2	0	2	3
Course Content						
To have basic information about virtual reality; to know virtual reality hardware and software; to be able to use virtual reality devices correctly; to know virtual reality technologies, their development and areas of use; to be able to use virtual reality in architecture; to conduct research and evaluations on the use of virtual reality in modern buildings, historical buildings, modern environments, landscape areas, interior spaces and historical environments.						
CODE	COURSE NAME	E	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM3130	Structural System Design	E	2	0	2	3
Course Content						

Understanding of load-bearing systems; load analysis and calculation; effective load-bearing system design criteria in accordance with regulations; design of load-bearing systems to ensure structural safety and examination of application processes; evaluation of building performance and determination of necessary load-bearing system and reinforcement needs accordingly.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM3132	Structure-Material-Technology Relationship in Architecture	E	2	0	2	3
Course Content						
Understanding of structural systems; understanding of material properties; practical problem solving skills regarding structure and material usage; being able to exhibit innovative and technological approaches in structural design and material usage; being able to use the relationships between structure, material and technology effectively in the project development process.						

• **FIELD ELECTIVE COURSE VII**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM3134	Occupational Health and Safety	E	2	0	2	3
Course Content						
To have knowledge about various laws and legislations regarding occupational health and safety; to know the basic concepts regarding occupational health and safety; to have the necessary information about creating a healthy and safe environment in working life and eliminating hazards and risks; to gain the ability to put theoretical knowledge regarding occupational health and safety into practice; to have knowledge about emergencies and what to do in such cases.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM3136	Quality in Building Production Process	E	2	0	2	3
Course Content						
To understand the responsibilities of the stakeholders involved in the building production process and their effects on quality; to have knowledge about quality and the factors affecting quality in the building production process; to have knowledge about quality management in building production; to have knowledge about quality problems encountered in the building production process and the precautions that can be taken; to have access to research on improving quality in the building production process, to gain the ability to analyze and present.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM3138	Fire Safety in Buildings	E	2	0	2	3
Course Content						
Ability to design fire evacuation plans correctly and in accordance with the rules; ability to distinguish whether fire evacuation plans are designed correctly in different building designs; ability to design fire escapes and fire safety halls with correct distances and dimensions.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM3140	Climate, Materials and Technology	E	2	0	2	3
Course Content						
Increasing awareness of climate-balanced design; increasing the ability to select traditional and technological materials that take climate into account; examining the effects of climate conditions and material choices on architectural design; evaluating building materials used in different climate zones and their performance characteristics; addressing issues such as energy efficiency, sustainability and environmental impacts; developing climate-compatible and material-conscious design decisions; discussing climate-focused design strategies by comparing traditional and contemporary building materials.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM3142	Building Facade Systems	E	2	0	2	3
Course Content						
To be able to comprehend the basic information about building facade systems and materials; to learn the types of facade systems used in existing buildings; to apply facade system details; to evaluate the performance of different facade systems in terms of building physics; to understand the relationship between the facade system and material selection.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM3144	Construction Site Management	E	2	0	2	3
Course Content						
To gain general information about the construction industry; to gain the ability to produce solutions to problems encountered on the construction site; to calculate quantity take-offs; to understand the importance of professionalism in management; to ensure the development of construction site management processes and career opportunities.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM3146	Prefabricated Buildings	E	2	0	2	3
Course Content						
To understand the relationship between industrialization and prefabrication; to be able to evaluate prefabricated systems according to their establishment; to acquire the ability to analyze systems according to modular coordination principles; to understand the connection details of the elements in prefabricated structures.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM3148	Building Technical Equipment	E	2	0	2	3
Course Content						
Information about building technical installations; to know building sanitary installation components and related concepts; to know building electrical installation components and related concepts; to be able to read building technical installation projects; to be aware of the effect of architectural project design on the installation.						

7. SEMESTER

CODE	COURSE NAME	C	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4101	Architectural Project VII		4	4	6	8
Course Content						
Providing advanced architectural design skills; collecting, researching and transferring data on complex urban patterns; solving design problems defined in an interdisciplinary intersection area as architectural objects with appropriate design strategies; developing design principles compatible with historical and cultural heritage structures within the urban pattern; researching advanced technology and material possibilities in architectural design; transferring multi-structure design information by combining theoretical knowledge and practical skills.						
CODE	COURSE NAME	C	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4103	Application Project I		2	2	3	4
Course Content						
Understanding the principles of sustainable design; understanding the load-bearing systems and application principles; understanding the basic principles of environmental systems, correct application and performance; understanding the basic principles of building envelope materials and components, correct application and performance; understanding the basic principles of building service systems, correct application and performance.						
CODE	COURSE NAME	C	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4105	Professional Practice II	0	2	1	3	3
Course Content						
To gain the ability to read and interpret projects in an office environment; to gain practical knowledge about critical thinking and customer relations; to ensure that the components of a building are carried out from beginning to end, to observe the detailing at the application level together with theoretical knowledge and to gain experience; to gain teamwork skills and to have knowledge about construction site management-work flow chart; to gain knowledge about general building systems and components.						

• FIELD ELECTIVE COURSE VIII

CODE	COURSE NAME	C	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4107	Turkish Architecture in the Republican Period	E	2	0	2	3
Course Content						
To be able to define the fundamental developments in Turkish architecture from the foundation of the Republic to the 1970s and 1980s; to relate these developments to the country's modernization project and political, socio-economic and cultural structure; to get to know the architects of the Republican Period and to learn about their works; to examine sample works and interactive evaluations; to be able to distinguish and compare the architectural structures of the 1st National Period and the 2nd National Period.						
CODE	COURSE NAME	C	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4109	Contemporary Architecture Movements	E	2	0	2	3
Course Content						
Explanation and interpretation of national and international contemporary architectural movements; development processes of contemporary architectural movements; explanations and detailed information about important architects of relevant periods; gaining the ability to define contemporary architectural movements and interpret the basic elements in their formation; being able to explain and interpret the basic information of architectural history.						
CODE	COURSE NAME	C	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4111	History and Theory of Architecture	E	2	0	2	3
Course Content						
To understand the relevance of historical theory to architectural history; to know the ideologies, ideas and thoughts that have influenced the field of architectural literature; to understand the impact of modernity on architecture and literature; to recognize concepts such as nation and nationalism, universality-locality; to have knowledge about approaches in architectural history and theory.						
CODE	COURSE NAME	C	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4113	Architect Sinan	E	2	0	2	3
Course Content						
Understanding of Mimar Sinan's design approach; obtaining detailed information about Mimar Sinan's works and developing conservation awareness; Mimar Sinan's contributions to Ottoman architecture; development of Mimar Sinan's professional life; Mimar Sinan's urbanist aspect; Mimar Sinan's conservationist aspect; current conservation status of Mimar Sinan's works; institutions and organizations working on Mimar Sinan's works.						
CODE	COURSE NAME	C	THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4115	20th Century Turkish Architecture	E	2	0	2	3
Course Content						
Information and inferences about the development process of 20th century architecture in Türkiye; information about architectural processes and stylistic approaches applied from past to present; information about construction in Elazığ after the Republican period; information and evaluations about urban transformation processes and construction; gaining the ability to read and interpret academic studies related to the course subject.						

• **FIELD ELECTIVE COURSE IX**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4117	Traditional Handicrafts and Cultural Heritage	E	2	0	2	3
Course Content						
To gain knowledge about traditional handicrafts in Elazığ and its surroundings; to evaluate the relationship between ornamentation and craft applied in structures from past to present in terms of design parameters; to evaluate traditional handicrafts in cultural heritage structures with different analysis methods (such as fractal analysis); to develop the ability to comprehend the structure through all its components.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4119	Relationship between Tangible and Intangible Cultural Heritage	E	2	0	2	3
Course Content						
Learning the concept of cultural heritage in a multi-faceted way; examining the concepts of tangible and intangible cultural heritage and evaluating the relationship between them in a multi-faceted way; examining examples of tangible and intangible cultural heritage through historical environments and traditional structures; interactively examining examples of tangible and intangible cultural heritage from Türkiye and various parts of the world.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4121	New Approaches and Functionalisation in Historical Area	E	2	0	2	3
Course Content						
To have knowledge about the concept of historical environment; to be informed about contemporary design methods in historical areas; to develop the ability to read the relationship between re-functioning and sustainable tourism through historical areas; to contribute to the protection awareness in building a bridge between the past and the future.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4123	Building Survey with Tool	E	2	0	2	3
Course Content						
Learning all the details of the surveying process; ensuring that the student understands the universal survey language through sample survey studies; analyzing survey drawings found in literature and archives; examining the material, deterioration and period analyses of historical structures and textures through analytical survey studies.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4125	Reusing of Historical Buildings	E	2	0	2	3
Course Content						
Learning the concept of re-functioning; learning the criteria to be taken into consideration in the re-functioning of historical buildings; addressing the physical and socio-cultural aspects of re-functioning; gaining information on the applications of re-functioning through examples.						

• **FIELD ELECTIVE COURSE X**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4127	City and Public Space	E	2	0	2	3
Course Content						
To learn and comprehend the development of public space from past to present; to learn about the balance of spatial, social and economic strategies in creating public space; to be able to take individual responsibility within a group in the stages of programming and arranging public spaces; to have the ability to produce original solutions to ensure the integration between the city and public space; to analyze and evaluate examples of public spaces in metropolitan areas.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4129	Traditional and Contemporary Turkish House	E	2	0	2	3
Course Content						
Introducing the concept of the traditional Turkish house; learning about daily life habits in traditional Turkish Culture; gaining the ability to analyze the point the concept of house has reached based on the past; gaining the ability to interpret the elements that determine the principles of material selection in Turkish architecture.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4131	Case Studies of Universal Design	E	2	0	2	3
Course Content						
To be able to comprehend the basic principles and guidelines of universal design; to be able to apply accessibility and inclusivity requirements in interior and product design; to integrate universal design principles in digital and technological systems; to analyze successful universal design examples and learn design decisions from these examples; to develop accessible and inclusive designs in various projects using universal design principles.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4133	Recreational Area Standards	E	2	0	2	3
Course Content						
Learning the basics of recreational area design; detailed examination of urban and rural recreational activities; gaining the ability to apply recreational area standards in architectural projects; raising awareness and culture regarding recreational areas; gaining the ability to analyze and evaluate for recreational area design.						

• **ELECTIVE FIELD COURSE XI**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4135	Architectural Heritage and Conservation of the Turkish-Islamic Period in Anatolia	E	2	0	2	3
Course Content						
Information about the architectural heritage of the Turkish-Islamic Period in Anatolia; to be able to evaluate the architectural heritage of the Turkish-Islamic Period in Anatolia in terms of protection; to examine the distribution of the architectural heritage of the Turkish-Islamic Period in Anatolia according to the settlements and to examine its functional qualities; to address the material, construction system, tangible and intangible cultural heritage characteristics of the architectural heritage of the Turkish-Islamic Period in Anatolia.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4137	Architectural Heritage in Elazığ and Surroundings	E	2	0	2	3
Course Content						
To learn the characteristics and conservation status of the architectural heritage of Elazığ; to learn the characteristics and conservation status of the architectural heritage located around Elazığ; to understand the functional, historical and geographical characteristics of the architectural heritage in Elazığ and its surroundings; to obtain basic information about the material and construction system characteristics of the architectural heritage in Elazığ and its surroundings.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4139	Archaeological Heritage - Conservation And Virtual Reality	E	2	0	2	3
Course Content						
To gain knowledge about archaeological sites in Elazığ and its surroundings; to gain knowledge about the protection methods and digital methods applied from past to present; to gain knowledge about the application of virtual reality and the relationship between protection and archaeological sites; the relationship between sustainable tourism and the contribution of archaeological sites to the city economy and modern methods; to gain the ability to read and interpret archaeological sites.						

• **FIELD ELECTIVE COURSE XII**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4141	Earthquake Resistant Building Design	E	2	0	2	3
Course Content						
To summarize the principles of structural system arrangement in buildings; to explain the role and importance of structural system in earthquake resistant design; to classify structural system irregularities/plan their solutions; to discuss the effect of earthquake on interior space arrangement; to plan the placement of structural system elements on architectural projects.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4143	Advanced Structural Statics	E	2	0	2	3
Course Content						
Explain the behavior of planar bar systems among structural systems; calculate the support reactions of simple beams; draw internal force diagrams of simple beams; draw internal force diagrams in Gerber beams and three-hinged frames; calculate bar forces in plane truss systems.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4145	Rehabilitation in Damaged Buildings	E	2	0	2	3
Course Content						
Learning the degree of damage to structures; examining the factors that cause damage to structures and learning the methods of improvement regarding these; preparing a technical report on the improvement of damages and emphasizing/detailing the important points in the content of this report; being able to assess the damage and convey it to other stakeholders appropriately.						

8. SEMESTER

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4102	Architectural Project VIII	C	4	4	6	10
Course Content						
The ability to consider the historical texture, structural characters and principles of the city in the designs and arrangements to be made in the work area; the ability to specify interior richness, appropriate sizing-shaping-relationships/flows, the ability to use current technology design principles; the selection of building subsystems such as heating, ventilation, lighting, plumbing, drainage, electricity, etc. and the evaluation of energy efficient methods and techniques in this selection; the selection of the load-bearing system by considering the construction method, loads, openings, environmental conditions, etc.; the ability to establish load-bearing system and material relationships; the ability to provide heat, sound, noise, water, humidity and fire protection of the building by taking into account the necessary regulations in building construction (Earthquake Regulation, Heat Protection Regulation, Noise Control Regulation, Fire Protection Regulation, etc.); the ability to consider design criteria for everyone in all stages of the design and to take precautions.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MİM4104	Application Project II	C	2	2	3	4
Course Content						
Establishing the feasibility and on-site applicability of architectural design in accordance with valid building regulations; researching building construction and application principles; being able to apply application detail projects and construction techniques in accordance with legislation requirements; being able to achieve project management and application gains.						

• **FIELD ELECTIVE COURSE XIII**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4106	Computational Design in Architecture	E	2	0	2	4
Course Content						
Developing the ability to look at architectural design through contemporary design methods; developing the ability to produce with different design tools; addressing the integration of digital technologies and algorithmic thinking in architecture into the design process; introducing computational tools such as parametric modeling, visual programming and simulation techniques; learning to produce flexible and data-driven solutions by transferring design ideas to digital environments; doing practical work with software such as Rhino and Grasshopper; being able to develop creative and optimized architectural solutions with computational thinking.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4108	Accessibility in Architecture	E	2	0	2	4
Course Content						
Gaining an understanding of accessibility; being able to grasp the ability to think multi-dimensionally in the design phase; being able to make designs for disabled individuals in buildings and their surroundings; effective environmental designs for disabled, elderly and disadvantaged users; effective interior designs for disabled, elderly and disadvantaged users; producing design solutions and new ideas for disabled, elderly and disadvantaged users.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4110	Technical English	E	2	0	2	4
Course Content						
To be able to use architectural terms, to use English terms correctly in architectural projects; project presentation and reporting, competence in presenting architectural projects in English and preparing written reports; English document understanding, to be able to read and understand architectural drawings and technical documents in English; international communication skills, to be able to communicate in English in international architectural projects; literature follow-up, to be able to follow English literature on architecture and use it in research.						

• **FIELD ELECTIVE COURSE XIV**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4112	Industrial Heritage and Its Protection	E	2	0	2	4
Course Content						
To learn the content of industrial heritage; to gain awareness of protecting industrial heritage; to address the historical, cultural and architectural values of industrial structures that emerged with the industrial revolution; to examine national and international approaches to the definition, classification and protection of industrial heritage; to make analyses through examples such as factories, workshops, warehouses and infrastructure structures; to encourage thinking about the re-functioning, sustainable protection and place of these structures in social memory; to discuss the problems encountered in the protection of industrial heritage and successful application examples.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4114	Historical Settlements and Spatial Cultures	E	2	0	2	4
Course Content						
To provide spatial reading of historical structures and comparison with the formation process of present-day structures; to be informed about the effects of social and cultural texture parameters of historical settlements from past to present on the plan organization of structures; to make spatial readings of settlements in Elazığ and nearby areas; to gain the ability to convey the philosophical approach of historical settlements through seminars; to read, interpret and follow academic studies in the relevant field.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4116	Traditional Earthen Buildings	E	2	0	2	4
Course Content						
Learning the details of building production with soil materials; creating awareness for the protection of soil structures; examining traditional soil construction techniques historically used in different geographies; addressing the structural and environmental properties of building systems such as adobe, compressed soil and soil bags; making evaluations in the context of local material use, sustainability and cultural heritage; experiencing the applicability of these structures with both theoretical knowledge and simple workshops; gaining a perspective that questions the role and potential of soil structures in architectural practice from past to present.						

• **FIELD ELECTIVE COURSE XV**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4118	Ecology and Architecture	E	2	0	2	4
Course Content						
Defining the relationships between natural and artificial environments in the architectural design process; criticizing the contribution of environmental problems to the design phase; gaining the ability to define ecological planning principles; revealing the environmental problems created by the artificial environment; understanding the relationship between design decisions and the environment.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4120	Architecture and Fashion	E	2	0	2	4
Course Content						
Defining the study areas and topics related to fashion with important periods and trends in the history of these fields; being able to create projects by integrating fashion and architectural design principles; being able to develop designs that reduce negative and harmful environmental effects;						

being able to apply technological innovations in fashion and architectural projects; being able to include cultural and social factors in design processes.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4122	Design and Art Movements	E	2	0	2	4
Course Content						
Learning about design and art movements; establishing the relationship between different design disciplines and architecture; acquiring an interdisciplinary design approach; examining movements from different periods as a continuation of each other and at the same time in a comparative manner; analyzing the works of architects representing different design and art movements.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4124	Urban Morphology	E	2	0	2	4
Course Content						
Understanding the relationship between space and form; learning the relationship between formal structure and contextual, social and functional factors; gaining skills in analyzing urban components; addressing the concept of morphology from multiple perspectives; interactively examining morphological analysis examples.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4126	Cinema and Space	E	2	0	2	4
Course Content						
Learning the use of space design in different areas; understanding the symbolic, ideological, sociological effects and uses of architectural and urban space in different areas; understanding fiction and virtual space designs; examining cinematographic examples; introducing the course literature and discussing the techniques of using literature in this field, developing visual literature scanning skills.						

• **FIELD ELECTIVE COURSE XVI**

CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4128	Disaster Consciousness	E	2	0	2	4
Course Content						
Recognizing disaster types and risks; principles of resilient building design; compliance with laws and standards; recognizing types and levels of damage in buildings; emergency plans and management; addressing the types and effects of natural and man-made disasters and precautions that can be taken against these disasters; developing conscious behaviors before, during and after disasters; focusing on risk reduction strategies, disaster planning and safe design principles in the built environment; providing theoretical and practical information in order to increase social awareness and understand individual responsibilities; conducting case studies and scenario studies within the framework of the concepts of disaster-resistant society and construction.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4130	Post-Disaster Sheltering and Managing the Disaster Crisis	E	2	0	2	4
Course Content						
The ability to design post-disaster shelters correctly; the ability to develop improvement proposals for post-disaster shelters; to comprehensively address post-disaster temporary and permanent shelter solutions and crisis management strategies; to develop appropriate design approaches for disaster areas by evaluating the socio-cultural, environmental and logistical dimensions of shelter needs; to analyze disaster management processes, organizational structures and response plans through national and international examples; to examine applied studies for planning post-disaster living spaces in sustainable, safe and humane conditions; to raise awareness on the roles that architects can undertake in disaster crises and the importance of multidisciplinary collaborations.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4132	Construction Process and Quantity Taking with Building Information Modeling	E	2	0	2	4
Course Content						
To have knowledge about what building information modeling is; to have the ability to use building information modeling software; to have knowledge about project and cost management; to have the ability to use the techniques, skills and modern tools necessary for architectural practices; to increase skills in reading and evaluating the created graphics and data.						
CODE	COURSE NAME		THEORY	APPLICATION	CREDIT	ECTS CREDIT
MIM4134	Building Information Modeling and Sustainability	E	2	0	2	4
Course Content						
To address the role of building information modeling (BIM) technology in sustainable architecture and construction processes; to examine how BIM contributes to environmental, economic and social sustainability goals in the design, construction and operation phases; to evaluate sustainability criteria such as energy efficiency, material selection and carbon footprint analysis through digital models; to use BIM-based analysis tools (e.g. energy simulation, life cycle assessment); to discuss the integration of sustainable design decisions into BIM processes through real project examples; to develop digitally optimized building models with high environmental performance.						