

**SUPPLEMENT  
FACULTY OF ARCHITECTURE  
ARCHITECTURE DEPARTMENT**

**CURRICULUM**

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-102	<b>Architectural Design I</b>	(4,4,0)	6	10	Compulsory Course
<p>The studio course aims as a first step in architectural project design to establish the human-space function relations. The analytical, functional, spatial and structural study and application of forms serving on single purpose erected out of necessity.</p>					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-103	Architectural Communication	(2,2,0)	3	6	Compulsory Course
<p>Furnishing the student with basic skills of graphic expression. The control of line thickness in generating recessing and advancing planes as well as clarity in spacing and crossing of lines in defining planar elements. Exercises in various presentation and rendering techniques, orthographic, paralline, pictorial drawing techniques and free hand sketching.</p>					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-104	Building Science I	(2,0,0)	2	2	Compulsory Course
<p>A study of human dimensions and their manipulation in furniture and fittings. Measured drawings of artifact of everyday use. Minimum and maximum dimensions interior spaces in view of various functions. General introduction to the building as a subject of science. Focusing on the house facilities, dimensions of the interior spaces (rooms) in term of the function-furniture-space relations. Search and find to different space types of house using units as an actions area in a house departments. A practise of measured and scaled drawings and designing elements in the house.</p>					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC109	Construction I	(2,2,0)	3	6	Compulsory Course
<p>Analyses of constructional requirements and practices with specific emphasis on basic construction elements and components.</p>					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-110	<b>Construction-I</b>	(2,2,0)	3	7	Compulsory Course
<p>In detailing the construction elements, entrance to the principles of design and using the construction elements and materials in suitable and true places. The method and purpose of use, construction and materials of building elements such as chimneys, slab and flooring types, staircase, types of stairs and other elements used in the construction related to skeleton are examined in detail.</p>					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-111	Basic Design	(4,4,0)	6	9	Compulsory Course
<p>Furnishing the student with basic skills of graphic expression. Exercises in various presentation and rendering techniques, orthographic, paralline, pictorial drawing and free-hand sketching. Design elements: Point, line, plane, volume, texture, form, direction and scale. Colors on humans. Exercises in various presentation and rendering techniques, orthographic, perception: Gestalt Principles: Proximity, similarity,</p>					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
	ground-figure relationship. Design principles: repetition, rhythm, balance, contrast, harmony, hierarchy, etc. Space concept: space geometry in architecture by the help of case studies.				

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-112	Descriptive Geometry & Perspective	(2,2,0)	3	4	Compulsory Course
Projections and properties. Point, line, flatness, figure, frustum of a figure in the three-dimensional space. Orthographic drawings. Isometric construction method. Two-Point Perspective. The common method. The construction of a simple two-point perspective .					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-113	History of Art and Architecture I	(2,0,0)	2	3	Compulsory Course
This course explores the cultural and historical development of art and architecture. Within a chronological and geographical framework the course will familiarize you with key architectural landmarks from the Prehistoric Period including Mesopotamia, Egypt, Anatolia and Aegean civilisations.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-115	Materials I	(2,0,0)	2	3	Compulsory Course
Description of building materials' properties within the frame of materials science. Structural, atomic properties of materials, crystalline, molecular and mixed internal structured materials. Physical and chemical properties, mechanical properties, stress deformation diagrams of building materials, acoustic, thermal, optical and electrochemical properties of the material.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-121	Introduction To Architecture	(2,0,0)	2	3	Compulsory Course
Introduction to the fundamentals of architecture, terminology, design, form, function and construction. Discussing the design action at different scales of the space and at different levels. Meaning and analysis of form, structure and function, discussion of physical and cultural effects on architectural form. Informing in the field of certain traditions, movements and styles by referring to the methods, tendencies and techniques that determine the form.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ING101	English (Language of Instruction is Turkish for Departments)	(3,0,0)	3	4	Compulsory Course
Introducing yourself, giving personal info, giving personal info, talking about objects, talking about family, describing and talking about buildings and furniture, talking about schedules, talking about routines, talking about routines, ability, asking for and giving directions, talking about food & quantities.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ING102		(3,0,0)	3	4	Compulsory Course

Course Code	Course Name	(T,A, L)	Credit	EC TS	Compulsory/Elective Course
					Explaining a recipe, ordering food & making requests, comparing things/people/places, comparing things/people/places, talking about now, talking about now, making suggestions & arrangements, talking about past, talking about past, giving advice, talking about the future, talking about the future, checking into a hotel.

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-201	Architectural Design II	(4,4,0)	6	9	Compulsory Course
					Design and detailing of a two storey building, considering the form, function, construction concepts. Examining the relationship of the building with the urban functions and the residential areas in its immediate vicinity, taking into account the function and construction, and applying the masonry and timber frame building systems in the design after the research and examination stages (sketching studies, preliminary project and application project drawing and detailing in different scales).

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-202	Architectural Design III	(4,4,0)	6	10	Compulsory Course
					Focuses on the design problems involving studies with modular components. Emphasis will be on working with the limitations of specific structural systems and specific project requirements for projects such as shopping centers, office buildings and educational facilities

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-203	Computer Aided Design I	(2,2,0)	3	7	Compulsory Course
					Drawing and Editing. How to draw quickly and efficiently. How to draw lines, arch, circles and other entities. How to erase, copy, more and perform other functions. Enhancing CAD Drawings. How to use blocks the advantages of using blocks. Dimensioning and dimension entities. How to change arrowhead types, how to change sizes. How to create callouts. Cross hatching techniques, crosshatching areas, patterns. How to add text and facts to your drawings. The entities in various facts. Drawing foundation plans.

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-204	Building Science 2	(2,0,0)	2	2	Compulsory Course
					A study of planning process of building types and approaches to designing steps as opinion of form,function and constructions. Their function analysis for manipulation of design organizations in furniture and fittings. Measured drawings of artifact of everyday use.Minimum and maximum dimensions interior spaces in view of various functions.General introduction to the building as a subject of science. Focusing on the buildings as ; education and schools, culture and libraries, health and hospitals, administration and offices, commerce and shopping centers,sports facilities.Researching to many type of buildings planning and designings as function analysis of the spaces in uses for dimensioning and according to the function-furniture-space relations.Search and find to different spaces types of using units as an activity areas in the designing spaces of the buildings.A practice at the many types of buildings as designing of measured and scaled building drawings.

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-205	History of Art and	(3,0,0)	3	3	Compulsory Course

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
	Architecture III				
This course is a study of cultural and historical development of art and architecture from rise of Renaissance to the end of the 19th century together with the Ottoman period. The course will focus on historical, cultural, urban and technological developments; concepts of Romanticism, Enlightenment, Industrialization, Modernization.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-206	Computer Aided Architectural Design II	(2,2,0 )	3	4	Compulsory Course
Teaching students two-dimensional AUTOCAD commands. To be able to make technical drawing in computer environment using AUTOCAD commands. Practical drawing of architectural plans, sections and views in computer laboratories.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-211	Construction III	(2,2,0 )	3	5	Compulsory Course
Consideration of structural types and materials of pitched roofs. Roof systems and details. Types of roof systems according to their materials, slopes and construction systems. Consolidation of knowledge with applications of roof systems according to their classes, drawing, research, homework and model making.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-212	Construction IV	(2,2,0 )	3	4	Compulsory Course
This course's content includes the details of improved construction elements and building economy. The fundamentals of application projects are given.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-214	History of Art and Architecture II	(2,0,0 )	2	3	Compulsory Course
This course will examine the cultural and historical development of art and architecture from Roman times to the Gothic era. Furthermore the course will deal with the development of Islamic art and architecture.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-216	Materials II	(2,2,0 )	3	3	Compulsory Course
Description of building materials' according to their ; raw materials, manufacturing processes, types and characteristics, use and application methods. To recognize building materials with examples which are interpreted together by materials science and architecture					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-221	Environmental Science I	(2,0,0 )	2	2	Compulsory Course

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
This course is to emphasize the importance of environmental dimension of the whole life on earth. A study of the terms of natural heat transfer, resources, and human effects on them and the resultant pollution is introduced. The transmission of settlements into urban areas and cost of planning without environmental concerns are other topics covered that receive high attention in urban developments.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-231	Statics	(3,0,0 )	3	4	Compulsory Course
Principles of equilibrium of particles and rigid bodies, simple structures and trusses. Internal forces in beams and cables, centroids and moments of inertia of areas.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-232	Mechanics of Materials	(3,0,0 )	3	4	Compulsory Course
Stresses in and design of uniaxially loaded members. Shear stress. Stresses and deformation in torsion and bending. Statically indeterminate problems. Columns, buckled shapes and critical loads. Principal stresses. Mohr's circle. Eccentrically loaded members.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ACE-303	Surveying	(3,0,0 )	3	4	Compulsory Course
To help architecture students solve the problems they will encounter in practice after graduation. To teach the use and presentation of several types of tools. To make calculations of observations with simple mathematics and as a result present the work as prepared plans. The art of measuring an area on the earth and representing it to some suitable scale on paper.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-303	Architectural Design IV	(4,4,0 )	6	10	Compulsory Course
Advanced architectural design and planning of buildings involving considerations of structural and functional complexity on a three dimensional basis. Functional analyses and unit exercises. Designing the project according to the result of the analyses concerning; panoramic aspect, transport topography connection, nature, climatic and social factors. Remarking of the relations between; function, form, space, structure and material.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-304	Architectural Design V	(4,4,0 )	6	10	Compulsory Course
Detailed research of the project subject, researching and determining all national and international standards and regulations related to the subject. Environmental analysis and determination of its effects on construction. Examination of traditional and modern world examples. Determination of possible building systems in the project. To create a modern, functional complex structure with high aesthetic values in the light of the data obtained.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
	Advanced architectural design and planning of building involving considerations of structural and functional complexion a three dimensional basic. Work on multi-functional projects like shopping center, culture center etc., to choose design problems. Making two or more than two storey building design using contemporary materials and structural systems.				

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-305	Architecture of 20th Century	(2,0,0 )	2	3	Compulsory Course
This course explores to architects, movements, theoretical positions and other issues related to the architecture of the 20th century. Topics such as modernism and post-modernism, functionalism and post-functionalism, internationalism and regionalism are discussed. This discussion covers the main concepts and attitudes starting from late 1800's such as "machine", "industry", "Art nouveau", "The Arts and Crafts Movement", "standardization" "rational planning" "The Bauhaus" and "The International Style" "Biological analogy", "post-modernist architecture" and "deconstructive architecture".					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-307	Advanced Computer Applications	(2,2,0 )	3	7	Compulsory Course
Teaching all three-dimensional commands of the "Revit" program, drawing buildings in three dimensions, axonometric and perspective in computer laboratories. Setting up projects. Drawing a simple building plan and three dimensional planning. Using menu sections. Creating custom building components, custom details, and complex parametric 3D shapes. Managing cameras and taking renders for 3D visualisation.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-309	Planning And Urban Design I	(2,0,0 )	2	2	Compulsory Course
It is to emphasize the importance of the region and city scale in the designs made in the cities and to contribute to the increase in the quality of life in our cities while increasing the quality of our physical environment with designs that integrate with and contribute to their environment. Definition of the city, its development and analysis of components-activities, functions, movement channels and corresponding physical form.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-310	Planning And Urban Design II	(2,2,0 )	3	6	Compulsory Course
Introduction to city planning and urban design: historical background, land-use plan, transportation plan, planning and different scales, visual analysis of the city, administrative aspects. Analysis of various design approaches, practical urban design studio for various components of the city. Description of basic concepts of urban structure. Description neighborhood and clusters design process. It aims to raise urbanism and environmental awareness in the Urbanism projects to be designed. Ability to analyze land data (environment, topography, social cultural features, transportation, infrastructure, etc.). To be able to explain the neighborhood unit and its basic principles. Being able to design and detail the residential, residential and recreational areas within the neighborhood unit. Being able to prepare the land model of the project area at the desired scale. To be able to work in groups, to take part in the group and take responsibility.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-322	Environmental Science II	(2,0,0 )	2	3	Compulsory Course
<p>The study and integration of mechanical equipment and mechanical services (fire protection, fire escape routes, elevators and calculations, boiler and boiler room calculations etc) used in modern buildings in architectural design.</p> <p>Temperature and condensation control in the outer shell of the building. The importance of energy conservation in terms of national economy, building physics and comfort, interpretation of the relevant literature and regulations. To control the heat and condensation in the outer shell of the building according to TS825, to understand the importance of heat preservation.</p>					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-331	Behaviour And Analysis of Structures	(3,0,0 )	3	3	Compulsory Course
<p>A survey of the elements influencing the behaviour of structures. Use of appropriate methods and structural models in the qualitative analysis of columns, continuous beams, frames, arches, curved beams, plates and shells.</p>					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-332	Behaviour And Analysis of Structures II	(3,0,0 )	3	4	Compulsory Course
<p>An advanced survey of the elements influencing the behaviour of structures. Use of appropriate methods and structural models in the qualitative analysis of columns, continuous beams, frames, arches, curved beams, plates and shells. General behaviour of reinforced concrete. Static analyses of building frames.</p>					

Course Code	Course Name	(T,A, L)	Credit	EC TS	Compulsory /Elective Course
TUR101	Turkish I: Written Expression	(3,0,0 )	3	3	Compulsory Course
<p>Reading passages related to the chapter; grammar studies; vocabulary and translation activities; listening activities; debates on current issues related to the department (Repetition of tenses, Internet history, Health and medicine, passive frameworks, Social issues, Environmental issues, Repetition of modals, Law and punishment, repetition of adjective phrases, Language and Literature, Repetition of noun phrases).</p>					

Course Code	Course Name	(T,A, L)	Credit	EC TS	Compulsory/El ective Course
TUR102	Turkish I: Written Expression	(3,0,0 )	3	3	Compulsory Course
<p>Spelling, punctuation and composition (punctuation marks, other signs), Spelling, spelling rules (capital letters, spelling of numbers, spelling of abbreviations, spelling of quoted words), Composition (purpose of composition, method of writing composition), plan in composition, introduction, development, result, Expression features, clarity in expression, simplicity in expression, clarity and sincerity in expression, Expression disorders (using synonyms in sentences), Misuse of idioms, Expression styles (explanation, story, concise expression, description, satire, portrait, proof, speech, Verbal expression types (daily and impromptu speech, prepared speech, panel discussion, debate, panel), Written expression types (letter, telegram, greeting, invitation, literary letter), business letters, official letter, petition, report, report, decision, advertisement, conversation, criticism, memoir, travel writing, interview, survey, autobiography, biography, novel, story, fairy tale, fable, theatre, tragedy,drama ,scenario) .</p>					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-401	Legal Aspects of Planning	(2,2,0)	3	3	Compulsory Course
<p>General Law. The responsibilities of an architect. Legal, social and social aspects. Definition of economic and financial law. Concepts of law. Planning Law Analysis of planning and development laws and regulations and their usage, legal explanations in terms of the architect, employed, public administration, neighborhood,</p>					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-404	Architectural Design VI	(4,4,0)	6	12	Compulsory Course
<p>Advanced architectural design and planning of buildings involving considerations of structural and functional complexity. This a kind of complex architectural study for building production between different kinds of buildings which have different heights, architectural properties and build in different times. It is aimed to design such a building so that it has a harmony with its environment.</p>					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-405	Graduation Project	(4,4,0)	6	15	Compulsory Course
<p>To prepare the architectural projects of a complex building by analyzing the topographical, climatic, social, cultural and transportation data of the working area on the basis of the concepts of form, function and construction. Each student designs a project using background from passed projects and lessons supporting projects, integration of factors like; form, space, function. Topography, nature, climate, social effects, panoramic aspects and transport connection is the main objective. Students develop their projects by taking critiques &amp; juries during semester. In the final jury, students are expected to develop themselves to a standard of architecture profession.</p>					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-411	Professional Practice	(3,2,0)	4	5	Compulsory Course
<p>Repetition of zoning legislation, preliminary project drawing, fee calculations, application project and detail drawing, preparation of general and special technical specifications and special administrative specifications, preparation of contracts, tender dossier and progress payment reports. All the work and drawings to be done during the course are done in autocad. A studio organized for giving tutorial advice to students on matters pertaining to the structure, environmental control and construction on each designer's project as either defined within the course including details and specifications</p>					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-422	Environmental Science III	(2,0,0)	2	5	Compulsory Course
<p>Heat Loss / Gain and condensation check on building envelope. Clean and dirty water installations, zoning calculations in buildings, waste water systems, heating, determination of boiler rooms and boiler sizes, selection of appropriate heating system, design of fire protection and escape routes, legislation on this subject, elevator calculations and appropriate elevator selection. Sound insulation and room acoustics design. Solar water heating systems.</p>					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-432	Restoration	(2,2,0 )	3	3	Compulsory Course

Conservation of historic buildings is a process which leads to the prolongation of the life of cultural property for its utilization now and in the future.  
Preservation rules, preliminary studies to be done before restoration, measurement methods, factors causing deterioration of the structure, restoration techniques. Also a group survey of an old building.

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-433	Construction Management	(3,0,0 )	3	4	Compulsory Course

The fundamentals of organization and managing are related with the building construction in this course. It is aimed to make the main functions, planning, organization, programming and control (examination) of construction projects and to convey the importance of quality concepts such as quality, quality control, total quality, total quality management. In addition, the rules to be considered in the construction site quality control and construction site applications are explained.

Course Code	Course Name	(T,A, L)	Credit	EC TS	Compulsory /Elective Course
AIT101	Principles of Atatürk and the History of Turkish Revolution I	(2,0,0 )	2	2	Compulsory Course

The reasons that prepared the collapse of the Ottoman Empire and the Turkish Revolution. Disintegration of the Ottoman Empire, Tripoli War, Balkan Wars, First World War. Armistice of Mudros. The situation of the country in the face of the occupations and the reaction of Mustafa Kemal Pasha, the departure of Mustafa Kemal Pasha to Samsun. The opening of the Turkish Grand National Assembly of the National Struggle. Treaty of sevr. The Lausanne Peace Treaty. Atatürk's Principles: Republicanism, Nationalism. Populism, Statism. Secularism, Revolutionism.

Course Code	Course Name	(T,A, L)	Credit	EC TS	Compulsory /Elective Course
AIT102	Principles of Atatürk and the History of Turkish Revolution II	(2,0,0 )	2	2	Compulsory Course

Abolition of the Sultanate; Proclamation of the Republic; Taking the Election Decision in the First Parliament; Establishment of the People's Party; Ankara Becoming the Capital, Proclamation of the Republic and Reactions; Abolition of the Caliphate (The Emergence of the Problem of the Caliphate and the Events Preparing the Abolition of the Caliphate), Progressive Republican Party and Sheikh Said Rebellion; Law of Takrir-i Sukun; Closing the Progressive Republican Party; İzmir Assassination Attempt), Free Republican Party and Menemen Incident; An Overview of Atatürk-Inönü Separation, Revolutions and Their Goals; Revolutions in Law; 1924 Organization-ı Esasiye Law; Adoption of the Turkish Civil Code; Adoption of Other Basic Laws; Revolutions in Women's Rights, Education and Culture; The Law of Unification of Education; Adoption of the New Turkish Alphabet; New Understanding of History and Language; From Darülfünun to Istanbul University; Fine Arts, Developments in Economics; Late Ottoman Economy; Turkish Economy Congress and Its Results; Economic Activities in the First Years of the Republic; Transition to the Practice of Statism, Revolutions Made in Social Life (Modernization in Clothing: The Law on Wearing Hats; Closure of Lodges, Zawiyas and Tombs, Adoption of International Time, Calendar, Numbers, Measurements and Week Holidays; Adoption of the Law on Surnames; Developments), Turkey's Foreign Policy in Atatürk Era; Years 1919-1923; Years 1923-1930, Going to the Second World War and Turkish Foreign Policy 1931-1939, Principles of Atatürk;

Course Code	Course Name	(T,A, L)	Credit	EC TS	Compulsory /Elective Course
General Overview of Atatürk's Principles; Republicanism, Nationalism, Populism, Statism, Secularism, Revolutionism, İsmet İnönü Period (1938-1950); Domestic Policy During the Second World War; Establishment of the Democratic Party, Democratic Party Period (1950-1960); May 27 Military Intervention and National Unity Committee					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-416	Documentation via Photography	(2,2,0 )	3	4	Elective Course
Technical, historical and aesthetic aspects of photography will be covered in order to enrich the creative process and provide with an early basis for discussion. Students will learn how to employ the medium of architectural photography as a critical tool for analyzing and representing buildings. Having completed the course, they will recognize photography not only as a documentary device, but also as a stimulant for the critical mind.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-434	Large-Span Structures In Architecture	(2,2,0 )	3	4	Elective Course
Informing students about the large span structures and details they will encounter throughout their professional life. Informing about the architectural profession, which requires a collective team work in the building industry, and the role of the architect in this team. Introduction to the details of large span systems. Structural systems according to their materials, slopes and openings. Consolidation of knowledge with classroom practices, research and model making. General information and definitions of Large-span structure in Architecture. Analysis of arches and vaults structure. Barrel vaults and cross vaults structure. Analysis of domes structure. Shell structures types. Single-curvature and double-curvature cable-supported structure. Temporary structure. Description of membrane structure. Truss types. Analysis of space frames. Compare and analysis of different types of large-span structure.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-450	Sustainable Architecture	(3,0,0 )	3	4	Elective Course
Architects and urban designers who create the built environment should seriously consider the conservation of natural resources and local environmental quality criteria in their approach to design in order to transform the effects of humanity on the world from negative to positive. Factors such as natural resources, reuse, recycling, materials, climate, sun and water should predominantly affect the design in order to sustain the well-being and existence of human beings. Reducing energy consumption which contributes to global climate change and pollution is an international imperative, and the future architect must be equipped with the skills and vision to tackle this challenge both innovatively and responsibly. This course helps you master the knowledge and skills required to produce thermally comfortable, healthy, and habitable building designs while minimizing energy consumptions. The curriculum embraces the interface between the environmental, economical and socio-cultural dimensions of sustainability in terms of building design and carbon neutrality.					

Course Code	Course Name	(T,A, L)	Credit	ECT S	Compulsory/Elective Course
ARC-451	Green Areas in Historical Cities	(3,0,0 )	3	4	Elective Course
Green infrastructure planning requires a systems approach to improving ecological function while providing vital ecosystem services for human populations. This course will introduce students to the					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
					concepts, theories, and applications of greenway and green infrastructure planning at multiple scales, including the site-level, neighborhood, and regional scales.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-452	Design in Historical Environment	(3,0,0)	3	5	Elective Course

The aim of this course is to compose a general overview of the environmental concerns in the transmission of settlements from rural to urban in terms of construction industry and the architectural designs. A study of the environmental parameters and the development of new service systems in terms of occupants and their surrounding is included.

The Importance of Historical Texture in Design. New building architectural design approaches in Historical Texture, Evaluation criteria. Examination of the design approaches of Separated Ordinance, Adjacent Ordinance, Additional structure and high-rise buildings.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
ARC-453	Architectural Design and VR	(2,2,0)	3	4	Elective Course

This module introduces use of holograms, Virtual Reality and Augmented Reality in architectural design. The module provides the opportunity to enhance skills of students who are familiar and interested with CAD and CAAD. Students learn to convert and prepare their CAD models for viewing and working in holograms, VR and AR environments. The module is designed to encourage students to think more creatively and outside the box. At the end of the module students are expected to submit their works in a small portfolio which is intended to serve them later in their job applications.

Course Code	Course Name	(T,U,L)	Credit	ECTS	Core/Elective Course
INA111	Design Methods in Interior Architecture	(3,0,0)	3	3	Core Course

It is a course that constructs design methods and techniques, design, design process, evaluation criteria, design method approaches, case studies, research and analysis. Thinking, design and proposal, evaluation criteria in architecture, designer thinking and problem solving, design process and stages, design methods: rational, inventive thinking, forming and organization methods, evaluation criteria in architectural design, case study, research and evaluation.

Course Code	Course Name	(T,U,L)	Credit	ECTS	Core/Elective Course
INA203	Presentation Techniques	(2,2,0)	3	4	Core Course

Providing visual intelligibility of interior spaces by applying various presentation techniques at different scales. Perspective (one and two points), shadow and shading, light, interior perspective, expression techniques (drawing, painting, scanning, coating, relief, model etc.) .

Course Code	Course Name	(T,U,L)	Credit	ECTS	Core/Elective Course
INA307	Furniture Design	(2,2,0)	3	4	Core Course

While informing students about furniture design, enabling them to examine product, space and user relationship, ergonomics, anthropometry and furniture relationship, understanding the relationship between furniture and human body, importance of design elements such as material, color and texture in the process of transformation of product to product experiencing understanding

Course Code	Course Name	(T,U,L)	Credit	ECTS	Core/Elective Course
INA403	Ergonomics	(3,0,0)	3	5	Core Course

<b>Course Code</b>	<b>Course Name</b>	<b>(T,U,L)</b>	<b>Credit</b>	<b>ECTS</b>	<b>Core/Elective Course</b>
Each student uses the basic design elements such as aesthetics, rhythm and creativity. They will create objects. They will discover different materials in the creation process and use them in their new designs.					