PROGRAM INFORMATION

Program Name and Degree Awarded

Department of Architecture / Undergraduate First Degree

Duration of Studies

4 Years (8 semesters-2 semesters per year, 16 weeks per semester)

Total Credits / ECTS

132 local credits / 240 ECTS

Language of Instruction

English

Mission and Vision

The mission of the department is to graduate students with strong ethical skills, who can combine their technical equipment with professional practice, and create unique designs with high level of social awareness. We value strong communication and the Mediterranean spirit.

The vision of the department is to increase the possibility of artistic and scientific experiences in architectural design education; strengthening the alliance between design and technology for more sustainable, contemporary and professional solutions.

Program Objectives

1. Conceptualizing innovative projects with social goals and values in design courses.

2. Organizing workshops to foster free and original design opportunities outside of studio environments.

3. Organizing academic events such as conferences, seminars, exhibitions, field trips, and more to support students with knowledge beyond the classroom.

4. Emphasizing the organizational structure and collaboration between architecture, interior design, and other disciplines by organizing collaborative events.

5. Establishing strong communication between administrative staff, advisors, and students.

6. Encouraging students through exhibitions, presentations, academic publications, and social media accounts while increasing visibility (insta: studiof203)

7. Continuously improving ourselves in sustainability and technology, in line with the changing expectations and needs of the new world.

Program Learning Outcomes

1. Critical Thinking
Developing positive creative thinking and questioning through knowledge, life and architecture. Ability to evaluate projects by understanding opposite opinions as prioritizing logic.

2. Effective Communication
The ability to express architectural thoughts and ideas orally and graphically, and ability to develop convincing attitude for architectural design presentations.

3. Research Skills
The ability to reach, evaluate and systematize the necessary knowledge with an objective point of view, while criticizing his own truths.

4. Basic Design Knowledge
Adopting free and original design approaches, understanding creative design thinking, and basic design principles. The ability to design by creating the relationship between form and function.

5. Technical and Technological Skills
Ability to express a design in scope of architectural drawing manually or with CAD in 2 and 3 dimensions.

6. Understanding World Architecture
Comprehending the architectural development, its products and trends in the world from the past until today, and ability to understand the socio-cultural factors in timeline for 'what is designed for what reason?'

7. Understanding National and Vernacular Architecture
Having knowledge about vernacular architecture by understanding the development of national architecture and architectural identity. Ability to develop skills for applying regional factors to architectural designs with respect to the local identity.

8. Preservation of Cultural Heritage
Awareness of historical values with a sense of preservation, and ability to understand design approaches by means of cultural heritage.

9. Social, Economic and Environmental Sustainability
Comprehending the relationship between social life, economy and environment and ability to design healthy buildings within human, life and building triad.

10. Societal Responsibility
Gaining the ability to realize the effect of an architect to the society where he lives in, in social and cultural context.

11. Nature and Human
Ability to understand harmony in architecture and inspiration from the nature within the scope of fact that environment / nature and human relationship is a whole.

12. Architecture and Landscape Relation
The ability to apply suitable landscape principles in different scales of architectural design within the context of interior / exterior relationship for increasing the spatial quality.

13. Architecture- Urban Space Relation
The ability to interpret the relationship of buildings inside an urban fabric, and to apply the characteristics of urban spatial use to design.

14. Health and Safety
The ability to understand the basic principles of life safety, and to optimize the architectural design for human safety in terms of emergency exits, circulation, interior & exterior relationship, and comprehending the national and international standards and institutions, where the design is aimed to be realized.

15. Construction Systems
Comprehending the building's construction systems theoretically and technically. Ability to perceive structural systems graphically and competence of integrating them according to the building types and architectural thought.

16. Building Physics and Environmental Systems
The ability to calculate ventilating, heating and lighting systems based on human factor, to apply them to design and to solve environmental systems by using natural resources in terms of sustainability.

17. Building Envelope Systems
Comprehending the envelope systems in an architectural design theoretically and technically, ability to express graphically and to apply to architectural design in context of material and structure.

18. Building Service Systems
Comprehending mechanical and electronic systems theoretically and technically and ability to integrate service systems and vertical circulation systems with the building during the design stages.

19. Building Material and Applications
Having knowledge about the features of building materials theoretically and technically, and ability to integrate this knowledge with architectural thoughts during design process.

20. Integration of Building Systems
Comprehending the relationship between design, construction system, building physics & materials and service systems and integrating them.

21. Preparing Program and Evaluation
The ability to analyze the user's need and environmental factors, which is necessary for designing project, and to evaluate them according to appropriate laws and legislations and design criteria.

22. Comprehensive Design Development
The ability to follow every stage of a big scale project from the first sketching phase to the application detail in terms of planning and designing and to integrate attributes like environmental factors, user's need, structural systems etc.

23. Building Economy
The ability to calculate and control the building cost for the entire construction period according to different types, and to prepare the quantity survey based on uniting the cost.

24. Architect & Client Relationship
Comprehending the roles of architect and client during the beginning, development and application stages of the project within the scope of architectural ethics and responsibility, understanding the responsibilities of employer and architect, with balancing the employer's needs and requirements.

25. Teamwork and Collaboration
Understanding the importance of the organization and collaboration between architectural team, and other disciplines (Engineers, Urban planners, interior designers, landscape designers etc.) during project design, construction and management stages, and adopting the interdisciplinary responsibilities and limitations.

26. Project Management
Ability to understand the steps and organization of the application of a project to create the collaboration between all relevant disciplines, and to finish the application project.

27. Application and Controlling
Ability to understand the importance of constructing a building under the supervision of an architect, to understand the relationship between the contractor and the architect, and the application fields of supportive disciplines like marketing, finance, risk management etc.

28. Legal Rights and Responsibilities
Investigating legal legislations, understanding the rights provided by chamber of architects, relevant municipalities, and planning organizations and adopting the architect's responsibilities; and understanding all legal responsibilities regarding property rights, regulations and law.

29. Professional Practice
Understanding the importance of registration to the related chambers, being informed about the responsible areas during the whole professional practice, and ability to understand the professions legal obligations regarding the legislation concerning the construction, relevant decisions, laws and user's rights.

30. Professional Ethics
Comprehending the ethical principles, and standards, which lead the professions attitudes;
learning how to restrict personal tendencies, and to exclude insufficient / unprincipled decisions,
learning how to protect professional competition and mission ideals.

Curriculum

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<td>ARCH113</td><td>FREEHAND DRAWING</td><td>(2-2-0)3</td><td>6</td><td>MANDATORY</td>
<td>ARCH108</td><td>INTRODUCTION TO BUILDING SCIENCE</td><td>(2-0-0)2</td><td>6</td><td>MANDATORY</td>
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<td>ARCH151</td><td>BASIC DESIGN I</td><td>(4-4-0)6</td><td>10</td><td>MANDATORY</td>
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<td>ARCH338</td><td>PRINCIPLES OF CITY PLANNING & URBAN DESIGN</td><td>(1-2-0)2</td><td>5</td><td>MANDATORY</td>
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<td>ARCH365</td><td>MECHANICAL SYSTEMS IN BUILDINGS</td><td>(2-0-0)2</td><td>3</td><td>MANDATORY</td>
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ARCH441	CONSTRUCTION PROJECT DESIGN	(2-6-0)5	7	MANDATORY	AREL06	FACULTY ELECTIVE VI	(3-0-0)3	5	ELECTIVE
ARCH400	SUMMER PRACTICE II	(1-0-0)0	1	MANDATORY	ARCH452	ARCHITECTURAL DESIGN VI	(4-4-0)6	10	MANDATORY
ARCH451	ARCHITECTURAL DESIGN V	(4-4-0)6	10	MANDATORY	AREL07	FACULTY ELECTIVE VII	(3-0-0)3	5	ELECTIVE
ARCH461	GRADUATION PROJECT RESEARCH	(0-2-0)1	2	MANDATORY	UFRC02	UNIVERSITY ELECTIVE II	(3-0-0)3	4	ELECTIVE
AREL05	FACULTY ELECTIVE V	(3-0-0)3	5	ELECTIVE					

Laboratory and Equipment Capacity

There are two computer laboratories, in which various drawing programs are taught. The computers are processor (CPU): İntel i7 8700 CPU 3.20 Ghz, operating system: Windows 10, screens are min. 22 inches. The programs on these computers are Rhinoceros 5, MS pro + Office2016, Auto Desk ReCap, Auto Desk Inventor, AutoCAD, AutoCAD Architecture, AutoCAD MEP, Sketchup, Revit, Photoshop CS6 and 3D Max

3D Design and Production Laboratory – Cezeri Lab: Labaratory includes 3D printers, 3D scanner, laser cut, CNC router, lathe, drill stand, digital microscope, robotic education sets, and computers.

The maintenance and repair of computers in laboratories is held by the computer centre's technical services and staff. It covers the maintenance and repair services of information devices such as computers, printers, scanners etc. used in EUL. The Computer Centre supplies all the server-system services that help to provide academic and administrative functions as well as Intranet and Internet services.
These are:
- Database Servers
- Application Software Servers
- Electronic Message Servers
- DNS Servers
- Portal Servers
- Web Servers
- FTP Servers
- Media Servers
- CD Servers

Career Opportunities

Our graduates can find employment in the private sector, including offices and construction sites, as well as in the government. Some graduates have also started their own businesses or continued their academic studies.

Contact Information

Assoc. Prof. Dr. Erçim Uluğ (HOD) – eulug@eul.edu.tr

<p style="text-align: center;">**COURSE CATALOGUE DESCRIPTIONS**</p>

ARCH151 Basic Design I (4-4)6 / 10 ECTS
The course is structured around certain assignments in 2 and 3 dimensions. First, the basic design elements like point, line, shape, form, value, texture, direction etc. are introduced, then the ways/methods to combine this knowledge with basic design principles like, harmony, contrast, balance etc. are presented. Also, gestalt theory combined with visual perception and the space-form relationship is explained. The features of space, types of spaces, scale and proportion are explained and relevant assignments are given.

ARCH113 Freehand Drawing (2-2)3 / 6 ECTS
This course prepares students with freehand skills and sketching capabilities required for presenting 3D compositions, environments and expressing design ideas. Freehand sketching for design issues focuses on the drawing of buildings, interior spaces, natural and fictive environments and objects. It is intended for students at all levels to develop and/or refine skills and techniques for better seeing and sketching.

ARCH103 Graphic Communication I (2-2)3 / 7 ECTS
The course furnishes students with basic skills in the graphic communication of visual expressions. It focuses on uses of monochrome media (primarily pencil) applied to the following graphical concepts: lettering, line weight and line quality, tone and value, scale and proportion, architectural entourage (scale figures, landscape elements), texture and material representations, scale and dimensioning, orthographic views (floor plans and elevations), pictorial views (perspective, axonometric, and oblique views), composition and model making.

ARCH152 Basic Design II (4-4)6 / 10 ECTS
The course focuses on the basics of space design through anthropometry, ergonomics, movement, functional and spatial thresholds, spatial organisations and transformations in geometry, interrelation between interior and exterior spaces. Spatial organizations created with transformation of geometries and with the emphasis on qualifications and environmental values are considered deeply. The intent is to approach an existing environment under consideration of terms like human needs, sun, light, view, passages, boundaries, neighbours, etc. and to apply a simple construction process. The students are encouraged to understand the basic geometrical transformation of geometries and the relationship of forms for creating a real architectural space with respect to spatial qualities. The students are expected to use their creative thinking and present it with 2 and 3 dimensional tools. (pre-requisite: ARCH 151)

ARCH108 Introduction to Building Science (2-0)2 / 6 ECTS
This course provides the basic scope and vocabulary of architecture and architectural design. It covers the primary aspects of architectural knowledge, principally on architectural form, building science and basic environmental factors. Examining these primary notions in detail, it attempts to develop the ability to understand architectural products within physical interaction of climate aspects. Built on this foundation, it develops students to discuss the physical determinants of architecture and the relationship of the architectural products with their environment.

ARCH104 Graphic Communication II (2-2)3 / 7 ECTS
The course starts with refreshing the knowledge and skills obtained during the previous level by focusing on the plan, section, and elevation drawings in the first half of the semester. It continues with developing basic orthographic 3D representation techniques by practicing methods of plan oblique, elevation oblique, and axonometric. Towards the final stages of the course the emphasis is on linear perspective by studying one point and two-point perspective techniques. Students work in tutorial groups throughout the semester and participation is necessary. Submission of weekly assignments on expected dates is essential. (pre-requisite: ARCH 103)

ARCH251 Architectural Design I (4-4)6 / 12 ECTS
The course is an introduction to architectural composition's basic concepts, tools and methods and focuses on the understanding of the parameters and the complexity of the design process. The course is designed to develop design skills and understanding of students particularly on residential projects. The concept sustainable architecture is discussed as a major design criterion. Topography is accepted as one of the important criteria to be considered in this design studio. Therefore, generally a site with an inclined topography is given to the students to improve their design ability in such environments. Students are expected to develop a scenario and an architectural program depending on their own scenario by considering the given design problem and architectural program as a framework. It is believed that this differentiates each student's design based on same criteria and limitations. The studio is supported with series of lectures related with the topic and design process, connections, succession of spaces, accessibility, etc.).

ARCH205 History of Art & Architecture I (2-0)2 / 4 ECTS
The course provides information on timelines and examines the social life of Greeks and Romans, taking into account authority and mythological aspects. How Christianity shaped structures and art; Separation of Catholic and Orthodox Churches in Romanesque and Byzantine periods and the new building program and techniques of churches; examines the effects on the shaping of arts and structures, taking into account authority and social life. Islam born in the Arabian Peninsula as a new religion in a different geography, types of structures and Islamic art are examined. It examines the Gothic period as the pinnacle of art and architecture for Catholic buildings and art. The course also teaches social life, authority, enlightening and religious aspects, how wealthy families initially and later the Catholic church shaped structures and art during the Renaissance, their reactions to the Renaissance and the birth of Mannerism, Baroque and Rococo. It examines the focal point of art and architecture from these periods to the French Revolution. The beginning of the industrial revolution, its spread from England to other countries and its effects on architecture are examined.

ARCH209 Computer Aided Design I (1-2)2 / 6 ECTS
This course introduces computers as a tool in the design effort, enabling students to create, manipulate, and edit drawings Students will be introduced to AutoCAD and Photoshop as effective tools used in design environments. They will be familiarized with AutoCAD and Photoshop software commands that will enable them to produce two-dimensional drawings correctly and efficiently through editing and manipulating both drawn and illustrated data. Eventually, students will also learn various kinds of plotting techniques.

ARCH252 Architectural Design II (4-4)6 / 12 ECTS
Architectural Design II - ARCH 252 is a studio-based design course that is concentrated on research and field study in the community. The target of Design Studio II is to enable students of architecture analyse human behavior in regards to the defined functions and the required spatial patterns, helping them develop awareness in the field of design. In this studio, context and site factors will be studied in depth and a detailed site analysis will be carried out. The design process will be presented in a series of lectures. conducted to understand the exiting site situations.

ARCH206 History of Art & Architecture II (2-0)2 / 3 ECTS
This course concentrates on world art and architecture, which covers periods starting from mid-19th century until end of 20th century, and analyses built environment, interiors, finishes and furniture with regards to its social cultural conditions. The course covers the art and architectural styles.

ARCH202 Surveying & Mapping (1-2)2 / 3 ECTS
The course is understanding topographic conditions and designing accordingly, an important design constraint in architecture. This course is a theoretical and practical introduction which assist students to understand and structure their design approaches on inclined terrains and to improve the skills about, land survey, topographic measurements and applications.

ARCH210 Computer Aided Design II (1-2)2 / 6 ECTS
This course is the continuation of Visual Presentation Techniques 1 and therefore it aims to prepare students with fundamental graphic and visual presentation skills required for the creative expression of architectural ideas. Visual Presentation helps students to understand not only how and where a range of visual communication skills are needed to inform a design process, but also why they are essential to make presentations both informative and memorable. (Pre-requisite: ARCH 209)

ARCH208 Building Materials and Finishes (2-0)2 / 3 ECTS
This course introduces the building materials and finishes, and its applications for both exterior and interior of the buildings. It also provides environmental impact of building materials and finishes as it relates to human health and well-being. The course discourses the characteristics of construction materials and finishes by highlighting their appropriate applications for buildings. It also addresses sustainable building construction and insulation materials.

ARCH351 Architectural Design III (4-4)6 / 12 ECTS
Architectural Design III is a studio course that introduces the student into contextual architectural problems, which forms the thematic approach for projects in historical urban context. The studio project aims to raise awareness of current issues in architecture and develop an understanding of the principles of architectural design and contextual approach to consider the historical, physical, sociocultural, political, and economic context of the project area. By raising awareness in these issues, the students are expected to develop a critical attitude in their design solutions.

ARCH313 Building Construction and Detailing I (1-2)2 / 5 ECTS
This course gives main concepts to understand the building materials, reinforced construction methods and techniques with the basic principles and design. This course also covers the construction building elements; foundations, beams, slabs, columns and curtains. This course combines both theory and practice while expecting students to learn the contemporary construction methods and techniques.

ARCH365 Mechanical Systems in Buildings (2-0)2 / 3 ECTS
Mechanical Systems in Buildings I is a theory course for architecture and interior architecture students providing basic definitions and principles of required mechanical systems for buildings. Passive heating and cooling systems using sustainable energy resources are explained as alternative to fossil fuel based systems. Performance criteria, systems integrations, envelope, electrical systems, sanitary systems, mechanical systems and heating, ventilating and air conditioning systems are among the main subjects of the course.

ARCH300 Summer Practice I (0-0)0 / 1 ECTS
Summer Practice I is an obligatory course that provides architecture students with the practical knowledge they need on-site construction work. This prepares students for a graduate job in architectural site construction industry or sectors. It is a chance for students to put what they have learned from architectural studios and construction lectures in the real-life situations or construction industry. It will also permit students to pick up life-skills, including communication skills, interpersonal skills, and teamwork on construction sites. It affords opportunities for students to gain practical experience as it relates to working in construction site.

ARCH352 Architectural Design IV (4-4)6 / 10 ECTS
Architectural Design IV is a design studio, which aims to design an urban building of increasing scale and complexity. In this aspect, the site location is a complex urban context and the architectural brief consists multi-functional building programs. In the understanding of contextual analysis, the architectural design studio process considers the physical, social, political, economic and cultural aspects. Therefore, the studio projects develop a critical attitude towards these in the reflection of developing technology and contemporary architecture. The course objective is to teach students how to deal with the multi-functional and complex architectural design programs in an urban context. Apart from the physical constraints, the course expects the reflection of social, political and economic aspects into the architectural design.

ARCH338 Principles of City Planning & Urban Design (1-2)2 / 5 ECTS
This course includes the basic terminology of urban design and planning. It introduces the theories and methods of urban design as a discipline integrated with architecture. The concept of sustainable urban development is discussed as one of the key concerns of modern cities. The topics of the course includes: concept of urban space, historical background of the cities, visual variables determining the quality of urban space, main principles of urban design and dimensions of urban design.

ARCH336 Building Construction and Detailing II (1-2)2 / 5 ECTS
This course focuses on traditional building material and construction methods and techniques. In current rapid growing construction world, many construction processes have been developed in order to increase efficiency and cut down costs. In recent years, traditional building material and techniques are being overlooked, however, there is still a place for traditional methods and techniques, which often yield a higher quality, more unique results and are renewable and sustainable than those achieved with modern construction processes. This course also covers the construction of buildings using traditional methods and materials. This course combines both theory and practice while expecting students to learn the traditional construction methods and techniques of foundations, walls, roofs and floors.

ARCH368 Conservation & Restoration (1-2)2 / 5 ECTS
This course introduces meaning and significance of cultural heritage, conservation, restoration, rehabilitation, renovation and adaptive reuse. Besides, it introduces the principles of conservation and restoration as well as intervention types. The course also identifies international organizations which deal with the preservation of cultural property. It discusses the international and national legislations and administrations related to conservation and restoration of cultural heritage. Students are expected to reflect their raised awareness and gathered knowledge in their assignments, term project and examinations.

ARCH451 Architectural Design V (4-4)6 / 10 ECTS
Architectural Design V is a studio-based design course aims to engage various architectural disciplines and knowledge required for solving complex architectural problems at larger scale. Architectural Design V deals with more in-depth tectonic modes of architectural problems and it focuses on medium/large scale public buildings with complex spatial problems. The main objective of this course is to encourage further development of the student's individual design approach in medium/large scale public buildings with complex spatial problems. Students are expected to explore a wide range of architectural issues while solving complex design problems on medium scale projects set primarily in urban contexts.

ARCH440 Building Construction and Detailing III (1-4)3 / 5 ECTS
This course focuses on traditional building material and construction methods and techniques, and the development of detailed drawings and their integration into a comprehensive project. The content encompasses site operations, material selection (wood, concrete, steel, masonry), structural principles, drawing interpretation, and the creation of detailed specifications and plans for components such as walls, floors, stairs, and cladding.

ARCH441 Construction Project Design (2-6)5 / 7 ECTS
The course focuses on contemporary design of appropriate use and integration of sub systems: structure, construction, material, finishing and other systems within the context of determined goals (feasibility, environmental conditions, spatial organization, regulations, etc.). Progress the ability of students in solving construction problems by considering the whole of a building and presenting a design project with construction documentation and drawings in the scale of 1/50 and the lower scales is the main outcome of the course.

ARCH461 Graduation Project Research (0-2)1 / 2 ECTS

The graduation project research is essential to provide required data for developing the architectural design of the final project. As the graduation project consists of other sub-disciplines such as; structural engineering, electrical and mechanical engineering, urban planning and design, construction technologies; students should prepare a report to cover all the necessary information referring to the relevant sub-disciplines. In this way, students will get the chance to experience the practice of architecture in a professional manner.

ARCH400 Summer Practice II (0-0)0 / 1 ECTS

Summer Practice II is a requisite course that enable architectural students to practical activities with the opportunity to work in architectural offices or firms. This course introduces the student to the practical aspects of the office work activities carried out in the construction industry or sectors. This goes beyond the classroom and enable student to develop realistic and practical design ideas that can be applied in their professional life. They will learn how to work as a team, share knowledge and produce optimum collaborative ideas. It is also an opportunity for them to learn how to make models to investigate form, as well as manipulate or use software such as Rhino, 3dMAX, sketch up, Photoshop produce utopian images of buildings.

ARCH452 Architectural Design VI (4-4)6 / 10 ECTS

In this course students develop an individual graduation project whose architectural program was researched and developed in the graduation research project lecture in the light of defined limitations (ARCH461). In this regard, students create their unique design approaches to the proposed architectural brief. They are expected to demonstrate a wide range of knowledge and design ability relating to the chosen subject. The student must prove the ability of design project management with limited tutorials and supervision.

ARCH406 Professional Practice (2-0)2 / 6 ECTS

This course will examine the professional environment in which the architect works as well as the knowledge base related to the organization and conduct of a design practice. After investigating the nature of Professions and a short history of the architectural profession, we will look at the building process and the architect's role in the design and construction phases, architect/client dynamics, the interrelationships between practice, information, and project management, and the ethical and legal guidelines for the profession. Issues related to practice will be explored, such as local and world economic conditions, getting started, competitions, getting published, and social responsibility.

Electives

ARCH245 Statics (2-0)2 / 3 ECTS

The course introduces the importance of statics in structures. This course teaches the basic principles of statics with Newton's laws of motion, to understand what the loads are and the external loads that can be affected until the structures are destroyed and how they can affect and create damage, and the designs to be created accordingly will increase the ability to think about the safety of the structure.

ARCH314 Urban Design
The course identifies the concept of urban design, how introduces the elements of the city and teaches the principles of urban design, The students will learn how to do analysis in city scale, to develop an ability to read and evaluate a city and its features, it will lead students to interrogate the interaction between individual designs and city.

ARCH317 Basic Color Theory
This course focuses on basic colour theory principles, terminology, and applications. The visual and psychological effects of colour are an important tool used by designer, interior designers, graphic designer and architects. In this course, students discover how different colour combinations affect user's moods and emotions. The students also learn various colour ideas and inspiration, and techniques for making more effective use of colour in their designs.

ARCH328 Vernacular Architecture
The course is designed to introduce vernacular architecture in general and vernacular houses in particular. Based on examples from various parts of the world it aims to explain and emphasize the value and importance of vernacular houses, how they respond to the physical and socio-cultural context that they have been built in. It introduces the relation between vernacular architecture and bioclimatic architecture and sustainability. The course discusses the condition and usage of vernacular architecture today, the factors that affect vernacular architecture in this era and introduce the methods to conserve and sustain vernacular architecture. It is also the aim of the course to create appreciation on vernacular environments and after introducing design approaches in historic environments, to impact students on thinking sensitive while designing in vernacular contexts. In order to do so, the course covers lectures related to the literature on the subject and field trips, which is believed that they will improve the awareness and understanding on the subject.

ARCH330 Design Strategies in Architecture
The course focuses on developing skills in the critical analysis of architectural theories. This course gives the foundations for theories of architecture to both architecture and interior architecture students, especially starting with Modernity and its problems and following the base for the against reactions, so they gain insight and inspiration as they produce their own art and design work or simply observing the creative world of design. Through engaging lectures and projects, students learn how to identify some major theories of architectural design.

ARCH342 Restoration of Historic Buildings
This course gives knowledge to students what cultural heritage means, which environments and buildings can be evaluated as cultural heritage, to explain how these environments and buildings can be conserved, to point out the significance of historic buildings, to teach the concepts and principles of restoration, conservation, rehabilitation, renovation, building survey and re-use.

ARCH348 Analyses of Built Environment
Analyses of the built environment and green building, sustainable environment will be the main topics of the course. The students will have awareness on the built environment problems and recent scientific researches on built environment. Course has guidance for the student to enter the field of science of Green Architecture.

ARCH353 Sustainable Landscape Design
The course is concentrated on various issues regarding landscape architecture, which is defined as the art and science of planning or designing on the land: arranging and creating spaces and objects in a landscape for safe, efficient, healthy and pleasant outdoor spaces. The course focuses on sustainable principles and elements of landscape design, elements of landscapes, landscape design process within the context of particularly urban and/or conventional landscapes.

ARCH 360 Small Space Design
This course prepares students for the practical reality of residential design of small urban spaces. Students will analyze small spaces to formulate ways in which to add value and extract every inch of usable space. Course content will focus upon millwork and custom furniture solutions as well as the effects of colour, light, materials and finishes, on volumes of space. Current trends in small space design will be examined, deconstructed and evaluated. Students will be challenged to maximize their space planning skills and creative thinking process.

ARCH417 Sustainable Architecture
This course focuses on design contribution for ecological, social, economic and environmental sustainability, the role of design in the activation of the concept of sustainability and sustainable design examples. This course provides a broad approach to the many crucial issues related to the sustainable development and architecture such as population growth, resource use, lifestyles, environmental protection, inequality, trade and economic growth. A comprehensive introduction to sustainability concepts, techniques and applications at all levels of the built environment, history of contemporary development of sustainable architecture from 1960 to present; design strategies, environmental technologies and social factors for reducing building energy needs and carbon foot prints; global applications of sustainable approaches will be given to the students. Students will also learn various paradigms of environmental sustainability, such as: Limits of resources, environmental health and toxic discourse, environmental justice.

ARCH418 Computer Aided Rendering & Presentation Techniques
The course gives the basic knowledge about 3D modelling on their own project by using CAD program. Architecture and Interior Architecture students learn how to create realistic presentation on their own project by "3D Studio MAX" program.

ARCH428 Portfolio Design (2-0)2 / 5 ECTS
The course prepares students to the professional life as portfolio and CV basis. It requires a deeper understanding of personal abilities and reflection upon desired professional goals. Portfolio design is not only documents of the past, but it built particular future. Students

learn how to identify their strengths and weaknesses as a designer, selecting works that best showcase their talents.

ARCH429 Traditional Turkish Houses Building
The course evaluate the major developments of Turkish architecture in the context of the Modernization project and the political, social, cultural structure of the country. The objective is to inform the future architects about Traditional Turkish Houses, discuss and think about architectural similarities of these historical houses (values). Turkish architecture within the contexts of social, economic and geographic backgrounds, institutions, settlements patterns, building typologies and construction techniques.

ARCH431 Iconic Buildings
Iconic buildings are different and unique buildings which are high in figural shape, gestalt and stand out from the city with their special symbolic/aesthetic qualities and iconography which reminds the most bizarre metaphors. The lecture is an investigation into this era to understand their influence on architecture and society.

ARCH434 Meaning in Design
This course provides an introduction to the basic scope and vocabulary of architecture and architectural design. It covers the primary aspects of architectural knowledge, principally on architectural form, structure and function. Examining these primary notions in detail, it attempts to develop the ability to understand architectural products within their formal, structural and functional aspects. Built on this foundation, it develops as to discuss the physical and cultural determinants of architecture and the relationship of the architectural products with their environment.

ARCH438 Architectural Acoustics and Lighting
The course will study mainly architectural lighting and acoustics. The following topics will be addressed in lighting lectures; vision, visual perception, lighting design, colour, vision, daylight in buildings, daylight prediction techniques, daylight design case studies, artificial light sources and luminaries, classification, qualitative and quantitative considerations in lighting design, modelling. The topics which will be addressed in acoustics lectures are; basic theory of sound, human response, measurement of sound, transmission loss, noise reduction between rooms, sound absorption, Sound absorbing materials, reverberation time, room acoustics, reverberation and echo problems, effective room acoustics design.

ARCH439 Meaning and Discourses in Design (3-0)3 / 5 ECTS
This course aims to investigate the hidden messages and meanings in design and their influences on architecture and society. It also aims to give students general knowledge about the philosophy of design and the interactions between design, culture and society, where they will gain an understanding of concepts related with the responsibility of the designer, the requirements of the consumer society in today's world, and discover new pathways for designing in today's world.

ARCH446 Contemporary Architecture
This course provides a chronological documentation of an era starting from the end of modern architecture, which is dated to 1972, demolishment of Pruitt-Igoe settlement. The architectural styles under the umbrella of postmodernism (high tech architecture, deconstructivism, neo-modern period) and their relationship with societal conditions will be examined.

ARCH 450 Experimental Design (3-0)3 / 5 ECTS
Experimental design methods are applied in all phases of the design process and by almost every party involved in the design process. Design methods range from relatively open-ended, loosely defined strategies to very descriptive stepwise procedures how to design a given object. Within the scope of the course these approaches will be mentioned.

ARCHXXX Architecture and Sociology
The meaning and importance of vernacular architecture, design in vernacular/traditional context are introduced. Vernacular architecture is explained in relation with regional factors such as environmental characteristics and cultural features of a region. The course includes two or three site visits - fieldtrips (depending on academic calendar) in rural settlements of Cyprus. Subjects which are discussed in the lecture are observed and experienced in the visited rural settlements. Students are expected to do oral and visual presentations for each settlement.

ARCHXXX Architectural Criticism
Starting from 60's architecture tries to find its way between theoretical trajectories and debates within three interrelated periods on: Modernism, Postmodernism and Projective (Post-critical). Today the emergence of a broad environmental consciousness has altered criticism as a conceptual matter. This course will provide knowledge about architectural theory and terms such as: Simplicity: Autonomy and rationality, communication and deconstruction, event and space, post-critical and projective practice etc. The students will also understand the design ideas behind built environment and the ways to write critical analysis. The course is structured on lectures and seminars.

ARCHXXX Architecture and Disability
This course aims to explain disability in architecture. In this respect, the connections between disable human needs, capabilities and behaviours and the built environment at different scales are examined. Disable users needs are discussed in detail. The students focus on disable user actual ergonomic problems in different spaces and improve solutions about these problems.

ARCHXXX Design Culture
Importance of Design and its characteristics are disregarded for many years. Nevertheless in 1970's, ''Design'' with the capital "D" is accepted as the third education and research field. In this regard, the course explains the differences between Design, Sciences and Art & Humanities. In addition to this, the course also investigates the relationship of products, people and processes. Design Process and its stages are demystified and discussed in the course.

ARCHXXX Consumption Culture and Architecture
The human being is under the influence of capitalism, globalization and digitalism. The events and facts are digitally spread around the world in seconds. In this reality of the world, consumption of products, people and ideas are in a critical manner. This consumption culture also infects the architecture profession and products. This course aims to describe this consumption culture and its reflection into architecture.

ARCHXXX Mediterranean Culture and Architecture
This course presents a wide introduction to the history of the Mediterranean culture and architecture since the emergence of civilization to the present day situation studying the most important changes in the political and social scenarios. At the same time, students will learn the development of the most important cultures and religions of the Mediterranean. Students will be able to deal with documents and events of the major civilizations that shaped the Mediterranean culture and architecture as well as the world.

ARCHXXX Violent Space – Architecture and Disaster
The course is designed to focus on the relationship between architecture and disaster. The concepts of violence and disaster are introduced and their relation to architecture and people are discussed. Reconstruction after disaster, post-disaster architecture and revitalization of damaged settlements are explained and discussed through examples from various parts of the world. Besides, the impact of disaster on cultural heritage are presented and protection of cultural heritage in conflict zones is discussed.

ARCHXXX Occupational Health and Safety
Occupational health and safety is a multidisciplinary subject area concerned with the safety, health, and welfare of people in the workplace environment. It also centers on how to avoid particular pre-existing conditions causing a problem in an occupational environment, and preventive measures that can be undertaken to eliminate these problems. Often, people encounter health and occupational problems in their workplace due to the detrimental effect the work physical environment may pose on them, which suggest that the workplace and working environment need to be analysed and studied in order to minimize or eliminate these occupational problems. At the end of the course, it is anticipated that students will be conversant with the goals of occupational safety and wellness programs, which include fostering a safe and healthy workplace environment. They will also realize a wide array of workplace hazards including physical and psychosocial hazards and how these risks to the health and safety of people at work can be prevented or eradicated.

ARCHXXX Social Responsibility and Architecture
Architects have a responsibility to consider the needs of local communities. This responsibility involves awareness for social sustainability, ethical values and civic engagement through public service. At the same time, the enrolment of users to the architectural design process is also considered as a responsibility. This course will provide tools to understand ways of opportunities

for the architects to be agents of positive social change and to improve the quality of human's lives. The course is structured on lectures and case analysis.

ARCHXXX Contemporary Architectural Theory
The course surveys a global history of architectural theory starting from 1960. It considers the theoretical challenges related with identity, culture, technological developments and capitalism. The representative role of architecture and its relation to the society is also examined. The course focuses on the ideas and theories that have an impact on contemporary architectural thought, and it is structured through lessons, debates, and seminars.

ARCHXXX Environmental Psychology
Environmental psychology is the study of human behavior, large-scale environments (such as as homes, offices, neighborhoods, and whole communities) and sociophysical environment. It is an interdisciplinary approach to explore people in a physical context, bringing together elements of the the design disciplines (architecture, interior architecture, landscape architecture, and urban planning and social sciences (psychology, anthropology, geography, sociology) and to provide a richer understanding of the complex dynamic between people and their physical surroundings.

ARCHXXX Zero Energy Design
This course provides an introduction to zero energy design and environment. It will teach student a stepped approach to design a zero energy building for sustainable environment. It will demonstrate how an integrated approach, which takes into account passive measures (such as building materials) can deliver the best results. It will do so by providing students with an overview of possible measures, and through reviewing several case studies of zero energy buildings around the world. Thus, student will learn which measures are most suitable for individual buildings under local climate conditions.

ARCHXXX Contemporary Structural System Design
Contemporary structural system design is dealing with the classification of structural systems, such as; folded structures; surface active structures; cable structures; vertical/High-rise structures; blow (pneumatic) structures. The definition of the basic characteristics of the plane and curved surface structures and examining the structural systems of the selected buildings are also considered as part of this course.