**FINAL INTERNATIONAL UNIVERSITY**
**FACULTY OF ARCHITECTURE AND FINE ARTS**

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|---|---|
| **Program** | Architecture (English) |
| **Medium of Instruction** | English |

| **Category** | | **Associate Degree** | **X** | **Undergraduate** | | **Masters (Project Based)** | | **Masters (Thesis)** | | **PhD** |
|---|---|---|---|---|---|---|---|---|---|---|

## CURRICULUM

**ABBREVIATIONS**

**UC:** University Core **FC:** Faculty Core **AC:** Area Core
**UE:** University Elective **AE:** Area Elective

**YEAR 1**

***FALL***

| Semester | Course Code | Course Name | Course Category | Credit | | | Pre-requisite | ECTS Credits |
|---|---|---|---|---|---|---|---|---|
| | | | | Lecture | Practice | Total | | |
| **1** | ARCH101 | Graphic Communication I | AC | 3 | 0 | 3 | - | 5 |
| **1** | ARCH103 | Basic Design Studio | AC | 3 | 3 | 5 | - | 10 |
| **1** | ARCH105 | Mathematics and Geometry for Designers | AC | 3 | 0 | 3 | - | 4 |
| **1** | ARCH107 | Introduction to Art and Design | AC | 3 | 0 | 3 | - | 5 |
| **1** | ENGL101 | English I | UC | 3 | 0 | 3 | - | 6 |
| **Total Credit** | | | | | | **17** | - | **30** |

***SPRING***

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **2** | ARCH102 | Graphic Communication II | AC | 3 | 0 | 3 | ARCH101 | 5 |
| **2** | ARCH104 | Introductory Design Studio | AC | 3 | 3 | 5 | ARCH103 | 10 |
| **2** | ARCH106 | Architectural Presentation Techniques | AC | 3 | 0 | 3 | - | 3 |
| **2** | ARCH108 | Introduction to Design and Technology | AC | 3 | 0 | 3 | - | 4 |
| **2** | ENGL102 | English II | UC | 3 | 0 | 3 | - | 6 |
| **2** | TURK100 HIST100 | Turkish as a Second Language / History of Turkish Republic | UC | 2 | 0 | 2 | - | 2 |
| **Total Credit** | | | | | | **19** | - | **30** |

**YEAR 2**

***FALL***

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **3** | ARCH201 | Architectural Design Studio I | AC | 3 | 3 | 5 | ARCH101 ARCH104 | 10 |
| **3** | ARCH203 | Ergonomics and Universal Design in Architecture | AC | 3 | 0 | 3 | - | 3 |
| **3** | ARCH205 | Building Materials and Construction I | AC | 3 | 0 | 3 | - | 5 |
| **3** | ARCH207 | History of Architecture I | AC | 3 | 0 | 3 | - | 4 |
| **3** | ARCH100 | Summer Practice I | AC | 0 | 0 | 0 | - | 3 |
| **3** | ARCH211 | Computer Aided Design | AC | 2 | 1 | 2 | - | 5 |
| **Total Credit** | | | | | | **16** | - | **30** |

| **YEAR 2** *continued* | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SPRING*** | | | | | | | | |
| **Semester** | **Course Code** | **Course Name** | **Course Category** | **Credit** | | | **Pre-requisite** | **ECTS Credits** |
| | | | | **Lecture** | **Practice** | **Total** | | |
| **4** | ARCH202 | Architectural Design Studio II | AC | 3 | 3 | 5 | ARCH102 ARCH201 | 10 |
| **4** | ARCH204 | Tectonics of Structure System | AC | 3 | 0 | 3 | - | 5 |
| **4** | ARCH206 | Building Materials and Construction II | AC | 3 | 0 | 3 | ARCH205 | 5 |
| **4** | ARCH208 | History of Architecture II | AC | 3 | 0 | 3 | - | 3 |
| **4** | ARCH209 | Ecological Issues and Building Design | AC | 3 | 0 | 3 | - | 3 |
| **4** | AE-01 | Area Elective I | AE | 3 | 0 | 3 | - | 4 |
| **Total Credit** | | | | | | **20** | **-** | **30** |
| | | | | | | | | |
| **YEAR 3** | | | | | | | | |
| ***FALL*** | | | | | | | | |
| **5** | ARCH301 | Architectural Design Studio III | AC | 3 | 3 | 5 | ARCH202 | 10 |
| **5** | ARCH303 | Principles and Approaches to Conservation and Restoration | AC | 3 | 0 | 3 | - | 4 |
| **5** | ARCH305 | Environment Conscious Building Design | AC | 3 | 0 | 3 | - | 4 |
| **5** | ARCH307 | Building Materials and Construction III | AC | 3 | 0 | 3 | ARCH206 | 4 |
| **5** | ARCH200 | Summer Practice II - Construction Site | AC | 0 | 0 | 0 | ARCH100 | 3 |
| **5** | AE-02 | Area Elective II | AE | 3 | 0 | 3 | - | 4 |
| **Total Credit** | | | | | | **17** | | **29** |
| ***SPRING*** | | | | | | | | |
| **6** | ARCH302 | Architectural Design Studio IV | AC | 3 | 3 | 5 | ARCH301 | 10 |
| **6** | ARCH304 | Introduction to Urban Design | AC | 4 | 0 | 4 | - | 5 |
| **6** | ARCH306 | Sensory Architecture: Light and Sound | AC | 3 | 0 | 3 | - | 4 |
| **6** | ARCH308 | Advanced Computer Applications | AC | 2 | 1 | 2 | ARCH211 | 4 |
| **6** | AE-03 | Area Elective III | AE | 3 | 0 | 3 | - | 4 |
| **6** | AE-04 | Area Elective IV | AE | 3 | 0 | 3 | - | 4 |
| **Total Credit** | | | | | | **20** | - | **31** |
| | | | | | | | | |
| **YEAR 4** | | | | | | | | |
| ***FALL*** | | | | | | | | |
| **7** | ARCH401 | Architectural Design Studio V | AC | 3 | 3 | 5 | ARCH102 ARCH105 ARCH106 ARCH107 ARCH108 ARCH203 ARCH204 ARCH209 ARCH302 ARCH305 ARCH307 | 10 |
| **7** | ARCH403 | Professional Issues in Architecture | AC | 3 | 0 | 3 | - | 4 |
| **7** | ARCH405 | Research Methods | AC | 3 | 0 | 3 | - | 4 |
| **7** | ARCH407 | Working Drawings | AC | 3 | 0 | 3 | - | 5 |
| **7** | ARCH300 | Summer Practice III - Architectural Office | AC | 0 | 0 | 0 | ARCH100 | 3 |
| **7** | AE-05 | Area Elective V | AE | 3 | 0 | 3 | - | 4 |
| **Total Credit** | | | | | | **17** | - | **30** |

| **YEAR 4** *continued* | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***SPRING*** | | | | | | | | |
| **Semester** | **Course Code** | **Course Name** | **Course Category** | **Credit** | | | **Pre-requisite** | **ECTS Credits** |
| | | | | **Lecture** | **Practice** | **Total** | | |
| **8** | ARCH402 | Architectural Design Studio VI | AC | 3 | 3 | 5 | ARCH401 ARCH405 | 17 |
| **8** | ARCH404 | Construction Management and Economical Issues in Architecture | AC | 3 | 0 | 3 | - | 5 |
| **8** | AE-06 | Area Elective VI | AE | 3 | 0 | 3 | - | 4 |
| **8** | AE-07 | Area Elective VII | AE | 3 | 0 | 3 | - | 4 |
| **Total Credit** | | | | | | **14** | - | **30** |

## AREA ELECTIVE COURSES

| | **Course Code** | **Course Name** | **Credit** | | | **ECTS Credits** |
|---|---|---|---|---|---|---|
| | | | **Lecture** | **Practice** | **Total** | |
| 1. | ARCH210 | Art and Ideas in Landscape Architecture | 3 | 0 | **3** | 4 |
| 2. | ARCH212 | Reading Architectural Texts | 3 | 0 | **3** | 4 |
| 3. | ARCH 213 | Interior Design for Architects | | | | |
| 3. | ARCH309 | Evolutionary Thinking and the Potentials of Environment | 3 | 0 | **3** | 4 |
| 4. | ARCH310 | Vernacular Architecture | 3 | 0 | **3** | 4 |
| 5. | ARCH311 | Cinematographic Perception and Architecture | 3 | 0 | **3** | 4 |
| 6. | ARCH312 | Tectonic Translations | 3 | 0 | **3** | 4 |
| 7. | ARCH313 | The Architecture Imagination | 3 | 0 | **3** | 4 |
| 8. | ARCH406 | Emerging Architecture | 3 | 0 | **3** | 4 |
| 9. | ARCH408 | Topics in Computation and Architecture | 3 | 0 | **3** | 4 |
| 10. | ARCH409 | Construction Project Management | 3 | 0 | **3** | 4 |
| 11. | ARCH411 | History of Urban Image | 3 | 0 | **3** | 4 |
| 12. | ARCH412 | Introduction to Smart Cities | 3 | 0 | **3** | 4 |

## COURSE BREAKDOWN

| | **Total** | | |
|---|---|---|---|
| | **Number** | **Credit** | **ECTS Credits** |
| **All Courses** | **48** | **140** | **240** |
| **University Core Courses** | 3 | 8 | **14** |
| **Faculty Core Courses** | 0 | 0 | **0** |
| **Area Core Courses** | 35 | 111 | **189** |
| **Area Elective Courses** | 7 | 21 | **28** |
| **University Elective Courses** | 0 | 0 | **0** |
| **Summer Internship** | 3 | 0 | **9** |

| **Semester** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **Average** |
|---|---|---|---|---|---|---|---|---|---|
| **Number of courses** | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 5.625 |
| **Total credits** | 17 | 19 | 16 | 20 | 17 | 20 | 17 | 14 | 17.5 |
| **Total ECTS Credits** | **30** | **30** | **30** | **30** | **29** | **31** | **30** | **30** | **30** |

## COURSE DESCRIPTIONS / SYNOPSES

| 1. | **Course code: ARCH101** | **Course title: Graphic Communication I** |
|---|---|---|
| | This course aims to develop basic skills in graphic expression. It looks both at tools of graphic communication and principles, underpinning orthographic, axonometric, and perspective drawing, and provides an introduction to a variety of different graphic presentation methods. | |

| 2. | **Course code: ARCH103** | **Course title: Basic Design Studio** |
|---|---|---|
| | This course aims to furnish students with the creative and critical skills required in architectural design. Through a series of design exercises, students explore shapes, forms, figures, colors, textures, materials, scales, and space, and in this way develop their own visual vocabulary and an understanding of the value of both product and process in the design studio. | |

| 3. | **Course code: ARCH105** | **Course title: Mathematic and Geometry for Designers** |
|---|---|---|
| | A solid understanding of geometry and mathematics is vital for accurate communication of design ideas. The main aim of this course is thus to explore the relationship of mathematics and geometry with architecture through study of size, shape, relative position of figures in space, and measurement. | |

| 4. | **Course code: ARCH107** | **Course title: Introduction to Art And Design** |
|---|---|---|
| | This course aims to equip students with an understanding of the concepts and vocabulary of design in related disciplines. It explores definitions of design, its vocabulary, elements, principles, organizational aspects and design processes. | |

| 5. | **Course code: ENGL101** | **Course title: English I** |
|---|---|---|
| | This is a first-semester EAP course for freshman students, and it focuses on developing both receptive and productive skills as well as the study skills required for university-level coursework. | |

| 6. | **Course code: ARCH102** | **Course title: Graphic Communication II** |
|---|---|---|
| | This course aims to further develop skills in graphic expression. In addition to more in-depth study of those aspects of design included in Graphic Communication I, the course will introduce advanced graphic communication techniques, D drawing, drawing conventions in different design branches, and presentation techniques. | |

| 7. | **Course code: ARCH104** | **Course title: Introductory Design Studio** |
|---|---|---|
| | This second semester design studio course further develops the skills introduced in ARCH103. Compositions, compilations, arrangements and re-arrangements are explored with reference to both the human and spatial design process. Through three-dimensional physical model-making students develop an understanding of the role of surfaces, solids, and voids in making spaces. The course emphasizes the design process, three dimensional forms, space, function, material, structure, the role of context, the human dimension and scale and the transition from abstract to concrete. | |

| 8. | **Course code: ARCH106** | **Course title: Architectural Presentation Techniques** |
|---|---|---|
| | Basic drawing techniques of various kinds essential for architectural studies and presentations. Concepts of scale, materials, and technique. | |

| 9. | **Course code: ARCH108** | **Course title: Introduction to Design and Technology** |
|---|---|---|
| | This includes the history of design technology, structural logic, form, structure and material, sustainable and innovative aspects of design technology; the study of the relationship between structures and relevant basic technologies and related vocabulary. Topics include; design factors, effective loads and forces, materials and design technologies in history, structure and design technology, contemporary structures, definition of building and building elements, sustainability, innovative thinking. The course ultimately aims to help students turn their designs into reality through creative and imaginative activity. | |

| 10. | Course code: ENGL102 | Course title: English II |
|---|---|---|
| | This course is a continuation of ENGL101 – English I. It involves further development of students' EAP oral and written communication skills as well as further development of the study skills essential to success at this level. | |

| 11a. | Course code: HIST100 | Course title: History of Turkish Republic |
|---|---|---|
| | This course is designed to provide Turkish-speaking students enrolled in English-medium programs with a brief historical account of the Republic of Turkey. | |

| 11b. | Course code: TURK100 | Course title: Turkish as a Second Language |
|---|---|---|
| | This course is designed to provide international students with the basic lexis and grammar of the Turkish language and to develop basic receptive and productive skills in Turkish. | |

| 12. | Course code: ARCH201 | Course title: Architectural Design Studio I |
|---|---|---|
| | This course aims to teach the student by means of a project of his/her own design that will be produced with an emphasis on the overall architectural design process including site, literature survey, functional diagrams, and program concepts, and considering human and social factors with minimum structural input so as not to limit the creativity of students. The course will also teach skills for the evaluation of concepts of space and help promote systematic thinking. Academic integrity and ethical issues in academia and research. | |

| 13. | Course code: ARCH203 | Course title: Ergonomics and Universal Design in Architecture |
|---|---|---|
| | In this course, students will learn about human factors ergonomics (HFE) and its implications for the design process. Anthropometry and usage of this terminology in design is an important aspect of this course. Students will learn about the basic dimensions of body and the way these can be used in design, as well as about issues related to disability, universal design and human behaviors in space. Ergonomics is a multi-disciplinary science, and a diverse range of subjects will be explored. | |

| 14. | Course code: ARCH205 | Course title: Building Materials and Construction I |
|---|---|---|
| | This course is based on the tectonics of building and construction methods according to the systems approach (all types of masonry; brick, stone, timber with or without tie beams). It also serves as an introduction to basic types of skeletal structures, and includes a presentation of construction types and construction methods with examples considering building elements (wall, floor, roof, stairs, partitions) and building materials (metals, cement based, wood, natural stone, earth based, bitumen based, glass, polymers), and construction of possible cladding systems, to be used with these systems. | |

| 15. | Course code: ARCH207 | Course title: History of Architecture I |
|---|---|---|
| | This course explores the cultural and historical development of art and architecture from the era of early settlements and examples of monumental architecture in Mesopotamia, Egypt, Anatolia and the Mediterranean until the late Antique and Byzantine period. This will enable students to grasp the dynamics of architectural change as a part of other developments in the field of culture and society. | |

| 16. | Course code: ARCH100 | Course title: Summer Practice I |
|---|---|---|
| | The second year summer practice has three stages: The first step includes training to introduce CAD technologies (AutoCAD and SketchUp) in order for the students to develop skills in recent design and manufacturing software/hardware technology (3 days). In the second stage, students should attend a workshop/summer school or work for a civil society organization of their choice (10 days) and in the third stage, students should take part in an architectural excursion (5 days). | |

| 17. | Course code: ARCH211 | Course title: Computer Aided Design |
|---|---|---|
| | This course is an introduction to using Computer Aided Design (CAD) to design residential and commercial buildings. AutoCAD software, which is being used by architects for 2D drafting will be used in this course. Students will start with step-by-step instructions to solve a variety of drafting/design problems and progress to a point where they can choose their own projects and solutions. Students will be taught basic CAD commands, tools, multi-view drawing, and dimensioning techniques. | |

| 18. | Course code: ARCH202 | Course title: Architectural Design Studio II |
|---|---|---|
| | In addition to the concepts of body and space, which are dealt with during the first semester, the issues of context, physical environment and tectonics are discussed within the context of project work of mid-range complexity. | |

| 19. | Course code: ARCH204 | Course title: Tectonics of Structure System |
|---|---|---|
| | The course explores structural phenomena and their potential for architectural design. It will be based on a revised reading of tectonics as large scale phenomena related to the geometric logic of the inner force flow and the exploration of building structures as means of architectural expression in “Flexural” and “Resistant” Structure systems. Theoretical issues will be investigated through studies of contemporary architecture and the role of building structures in the design. Structural behavior, form, methods of construction, tectonics and their inter-relationships are also considered. An in-depth understanding of the relationship between structural form and behavior is the main aim of this course. | |

| 20. | Course code: ARCH206 | Course title: Building Materials and Construction II |
|---|---|---|
| | This course provides students with the knowledge and skills required for wide span roof structures (folded plate, space frame, membranes, dome, truss systems etc.) in macro scale and staircases, windows, doors with their own detailing in micro scale. All kinds of possible construction methods with special finishing details will be examined. The integration of building elements through practices such as external wall systems, window and door systems, floor systems (ground, intermediate and exposed-soffit floors, suspended ceilings, raised floors), vertical circulation systems (ramps and stairs), roof systems (flat and sloped roofs) and partition systems (fixed and moveable partitions), will also be discussed. Also examined are; the design of building element systems within the framework of constructional design requirements, the integration of building element systems in line with the holistic approach and the performance of building materials in buildings. | |

| 21. | Course code: ARCH208 | Course title: History of Architecture II |
|---|---|---|
| | This course surveys modern architecture from the end of the 18th century to the present. The aim is to provide a historical understanding of the period, and to develop a framework to evaluate contemporary issues in architecture. | |

| 22. | Course code: ARCH209 | Course title: Ecological Issues and Building Design |
|---|---|---|
| | This course is an introduction to the theory and practice of ecological approaches to architectural design. Historical and theoretical frameworks for ecological design thinking are presented with a focus on basic ecological design principles and concepts in micro and macro scale, which is going to focus on the small scale (buildings) and the larger scale (urban patterns). The course also aims to raise the environmental issues of major significance today, specifically in relation to land, water, air, energy and material resources. | |

| 23. | Course code: ARCH210 | Course title: Art and Ideas in Landscape Architecture |
|---|---|---|
| | This course aims to introduce the profession of landscape architecture, a profession defined as an art and science of planning or designing on the land, arranging and creating spaces and objects in a landscape for human use. | |

| 24. | Course code: ARCH301 | Course title: Architectural Design Studio III |
|---|---|---|
| | Architectural design is studied as an urban context intervention with consideration if a number of different urban problems. In this course, and based on this context, students develop a project for a public building in an urban setting. | |

| 25. | Course code: ARCH303 | Course title: Principles and Approaches of Conservation and Restoration |
|---|---|---|
| | The course offers students awareness of different approaches to conservation and restoration of cultural heritage over time, and how these have led to the modern theory of conservation and the international conservation doctrine. Topics include cultural heritage, measured drawing techniques; concepts of conservation, preservation, revitalization, restoration; restoration techniques. | |

| 26. | Course code: ARCH305 | Course title: Environment Conscious Building Design |
|---|---|---|
| | This course mainly concerns climate and climatic elements as environmental factors influencing architectural design. The course considers basic climatic regions and climate responsive building design, thermal characteristics of building materials, bio climatic chart analysis, environmentally sustainable building, materials, ventilation, HVAC systems, and sanitary installations. | |

| 27. | Course code: ARCH307 | Course title: Building Materials And Construction III |
|---|---|---|
| | This course includes such topics as industrialized and prefabricated building techniques (Tunnel formwork, skeleton, panel, modular construction systems), building envelopes (structural, nonstructural facades, classification of facades according to the materials) and their construction characteristics. Construction methods for these structures and examples of these types of buildings are examined in detail. The course mainly addresses advanced construction techniques and advanced structural systems. Problems associated with industrialized building techniques and advanced structural systems will also be surveyed. Special emphasis will be given to structural systems of architectural design; tunnel formwork, skeleton, panel and modular construction systems; facades of glass, multilayer glass, metal, concrete, brick, natural stone and system detailing. | |

| 28. | Course code: ARCH200 | Course title: Summer Practice II - Construction Site |
|---|---|---|
| | The third year summer practice aims to introduce building technologies to the students as well as acquire skills in recent design software/hardware technology. Students will be working at a construction site for at least 14 days in order to acquire experience in construction procedures and recent construction management applications. | |

| 29. | Course code: ARCH309 | Course title: Evolutionary Thinking and the Potentials of Environment |
|---|---|---|
| | In this course, the aim is to give a basic information of evolution such as evolutionary thinking, evolution of architecture, as well as to go into deeper understanding about environment and relations to human and the built environment. Analyzing the environment, can give solutions to find out more sustainable life qualities either on socio economic, socio cultural and socio physical topics. | |

| 30. | Course code: ARCH302 | Course title: Architectural Design Studio IV |
|---|---|---|
| | In the third year studio, architectural design is studied as an urban intervention. Students carry out extensive analyses of a specific location in order to develop an understanding of the physical conditions of the site and the urban forces that operate on it. Students then form individual positions based on their observations and the final outcomes are the collective analyses and individual proposals for an ‘urban fabric’. The students develop a mixed-use program with residential use as its main aspect. Working on housing, the student projects are expected to be driven by an understanding of the city beyond the specific site. | |

| 31. | Course code: ARCH304 | Course title: Introduction to Urban Design |
|---|---|---|
| | This practical course aims at providing students with the skills to think and design on various scales from architectural to urban, in parallel with Architectural Design Studio IV. Most of the fundamental concepts of land improvement & urban development are included in the course, along with basic concepts of urban design. | |

| 32. | Course code: ARCH306 | Course title: Sensory Architecture: Light and Sound |
|---|---|---|
| | The main principles of artificial lighting system design (light sources, luminaires, control mechanism) will be introduced. Definitions and related standards on visual comfort will be analyzed. Energy efficiency and lighting energy performance of buildings will be analyzed. Architectural acoustics will be introduced. Fundamental acoustics terminology will be taught. Noise control, sound isolation, volume acoustics, sound amplification will be discussed. | |

| 33. | Course code: ARCH308 | Course title: Advanced Computer Applications |
|---|---|---|
| | This course aims to develop 3D presentation models, effectively rendered and situated in a context that is landscaped and designed with appropriate form, structure, materials and objects. Rendering involves the appropriate use of materials, lights, background and animations. | |

| 34. | Course code: ARCH310 | Course title: Vernacular Architecture |
|---|---|---|
| | Theories and principles of vernacular architecture – influence of climate, geographical features, occurrences of disasters and social cultural setup – vernacular architecture in different regions of – vernacular style of Anatolia, Asia, India, Iran, etc., evolution of form, construction materials and techniques of regional architecture. | |

| 35. | Course code: ARCH401 | Course title: Architectural Design Studio V |
|---|---|---|
| | This course promotes conceptual and productive design skills, and cultivates an understanding of the relationship between design information and construction information. The class focus is on the strategies and techniques of integration, in particular building systems, and responding to changes in environmental conditions with various materials and fabrication technologies. | |

| 36. | Course code: ARCH403 | Course title: Professional Issues in Architecture |
|---|---|---|
| | This course emphasizes practical aspects of professional practice and includes legislation and regulations governing architecture, professional ethics and academic integrity and ethical issues in academia and research, the rights and responsibilities of those involved in construction projects, regulations for the design and construction of buildings, common forms of agreements, tenders and contracts, bonds and insurance, specification writing, building costs, and the organization and the administration of an architect's office. | |

| 37. | Course code: ARCH405 | Course title: Research Methods |
|---|---|---|
| | This course aims to prepare students for graduation projects by analyzing the site locations, topics and other factors, which affect their final design projects. It surveys architectural research methods that use primary and secondary sources and materials to study historical and contemporary issues involved in the built environment. Academic integrity and ethical issues in academia and research. | |

| 38. | Course code: ARCH407 | Course title: Working Drawings |
|---|---|---|
| | The purpose of this course is to provide students with the ability to produce detailed working drawings (two-dimensional) with the aid of a computer. In this course, students will be familiarised with working drawing systems for professional use and to the systematics of drawing a project that could be realized in the real world and interpreted by those who would need to be able to read it. | |

| 39. | Course code: ARCH300 | Course title: Summer Practice III - Architectural Office |
|---|---|---|
| | The fourth year summer practice provides a platform for students to acquire skills in recent design software/hardware technology. Students work in an architectural office and contribute to different projects to experience design development processes, client relations, and official works during the assigned period (20 days). | |

| 40. | Course code: ARCH402 | Course title: Architectural Design VI |
|---|---|---|
| | This studio course makes students utilize various skills for organizing complex architectural functions. In doing so, students are asked to develop their proposals based on site analysis, case-studies from ARCH405 course, as well as various design exercises addressing specific components such as structural systems, materials and light utilization. In this final studio course, students are expected to develop their designs independently. | |

| 41. | Course code: ARCH404 | Course title: Construction Management and Economical Issues in Architecture |
|---|---|---|
| | During this course managerial and economic decisions at different levels (sector, firm, project, operational) of the building production process are introduced. Design and construction firm's relations and organizational patterns will also be examined. The most important parts of the course relate to evaluation of building investments, feasibility studies, project delivery systems, organizational structures and cost management or cost estimation. Time and resource management estimation, planning and control, site management and planning are also surveyed. Risk management and risk planning and control are also discussed, along with the role of architects in different stages of the production process and within the context of construction laws and regulations. | |

## AREA ELECTIVE COURSES

| 42. | Course code: ARCH210 | Course title: Art and Ideas in Landscape Architecture |
|---|---|---|
| | The purpose of this introductory course is to instill an understanding of the profession of landscape architecture, a profession defined as an art and science of planning or designing on the land, arranging and creating spaces and objects in a landscape for human use. | |
| **43.** | **Course code: ARCH213** | **Course title: Interior Design for Architects** |
| | This course is the introduction to the basics of interior design, to create basic understanding how interior design deals with. The details about the form, scale, proportion, light color, texture, materials and furniture's will be investigated. Perception of space will be important according to factors of style, aesthetics, safety and re-use will be dealt with this course. | |
| **44.** | **Course code: ARCH309** | **Course title: Evolutionary Thinking and the Potentials of Environment** |
| | The main concepts of the evolutionary thinking and potentials of environment to give a basic information of evolution such as evolutionary thinking, evolution of architecture. Beside this it also goes in to deeper understanding about environment and relations to human and a built environment. Analyzing the environment, can give solutions to find out more sustainable life qualities either on socio economic, socio cultural and socio physical topics**.** | |
| **45.** | **Course code: ARCH310** | **Course title: Vernacular Architecture** |
| | Theories and principles of vernacular architecture – influence of climate, geographical features, occurrences of disasters and social cultural setup – vernacular architecture in different regions of – vernacular style of Anatolia, Asia, India, Iran, etc. evolution of form, construction materials and techniques of regional architecture. | |
| **46.** | **Course code: ARCH311** | **Course title: Cinematographic Perception and Architecture** |
| | Cinema's holistic approach provides and unrevealed form of spatial and urban modelling of the real world, encompassing weather, comfort, aspirations, dreams, nightmares, social spatial and cultural conditions. As Patrick KIELLER mentioned 'In film, one can explore the space of past in order to better anticipate the space of future. | |
| **47.** | **Course code: ARCH411** | **Course title: History of Urban Image** |
| | This course provides an overview of the development of urban image, explores how the way we think about urban areas has evolved over time, and reflects on how both continue to inform the modern | |

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| | profession of urban planning. The course will examine the origins and evolution of the urban world as well as human attempts to intervene and manipulate it. The perceptual characteristics of the urban environment, stressing the ways that individuals mentally organize their own sensory experience of cities. Increasingly, however, city imaging is supplemented and constructed by exposure to visual media, rather than by direct sense experience of urban realms. City images are not static, but subject to constant revision and manipulation by a variety of media-savvy individuals and institutions. In recent years, urban designers (and others) have used the idea of city image proactively-- seeking innovative ways to alter perceptions of urban, suburban, and regional areas. City imaging, in this sense, is the process of constructing visually based narratives about the potential of places. This media-enriched image-building process involves not only place-based and form-based visions but also strategies for economic opportunity and environmental stewardship. Place promotion transcends economics-grounded efforts to attract new investment; it is also a strategy for reinforcing (or reconstructing) city image. As such, it always matters who builds these images, for which reasons, and for whom. Image-building efforts encompass not only changes to the built environment but also encode broad conceptual orientations; image-making is about finding new ways (and new technologies) to represent and promote cleaner environments, better communities, and socio-economic progress, yet images may also serve to mask or perpetuate existing inequalities. Images may be promoted in service of some broad "public good," but they are also subject to extreme manipulation by market forces that resist any such wider efforts to plan. |
| **48.** | **Course code: ARCH313 \| Course title: The Architecture Imagination** |
| | The concept of space and its components defines the architectural space use. The traditional and contemporary approaches make the space work. Space organizations and spatial changes defines architectural space. Knowing different building typologies and basic principles of design are fundamental sources of architectural imaginations. Space analysis and techniques, classification of spaces and building types are alphabet of the architectural space. Space analysis based on form and morphology is helping to understand the space. The exploration and experience of analysis techniques referred to different scale of spaces with experimental learning. The aim of the course is to lend students analytical vision in understanding the behavior of structural components and formative ideas of buildings that is in physical environments. Non-destructive analysis techniques are also introduced. The domain of design ideas lies within the formal and spatial realm of architecture, and thus it is this course that is explored. To communicate the analysis of buildings and formative ideas in this course, a set of diagrams is utilized. The diagrams are drawing that, as abstractions, are intended to convey essential characteristics and relationships in a building. Students are expected to analyses different buildings to understand the architectural imagination of designers during the semester. |
| **49.** | **Course code: ARCH406 \| Course title: Emerging Architecture** |
| | Architecture is a practice that covers many fields of art and science and has a role to response, divert and propose possible spatial solutions for not only human being but every living creature in every social and physical condition. This design based course is aiming to question possibilities and develop alternative architectural concept proposals in extraordinary situations and extreme conditions. For example, possible scenarios of the life in earth in the future, considering global warming or the next ice age. Considering the life in another planet. Questioning various types of natural disasters and proposing emergent architectural solutions. Analyzing human/animal behaviors and developing an abstract architectural proposal for the case. Thinking of surreal scenarios and living conditions and developing a proposal for that situation and etc. |
| **50.** | **Course code: ARCH412 \| Course title: Introduction to Smart Cities** |
| | This elective course aims to providing an international, interdisciplinary perspective on how to integrate nature and technology in order to create smart cities. Firstly, smart buildings and smart technologies will be discussed in order to understand how they make building operations more efficient, and how we can take advantage of the outside world of the building by integrating smart technologies. Secondly, how nature can be integrated in the building, how we can use natural resources in more sustainable ways, and what influence the occupant's behavior has on the functioning of the implemented technology will be discussed. Thirdly, why we have to understand the building as a part of a larger urban system will be discussed. |