

PROGRAM INFORMATION

Program Name and Degree Awarded

Department of Interior Architecture and Environmental Design / Undergraduate First Degree (M.A)

Duration of Studies

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

Total Credits / ECTS

128 local credits / 240 ECTS

Language of Instruction

English

Mission and Vision

The mission of the department is to educate students who can design functional, aesthetic and liveable interiors, which are environmental friendly, sustainable and respectful to the cultural and historical heritage. We intend to create high communicative educational environments, where team spirit is highly encouraged and ethical values are respected.

The vision of the department is to improve the qualitative & quantitative values in education while strengthening the alliance between design and technology; and lead students to more sustainable and future oriented design 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 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. Preservation of Cultural Heritage

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

8. 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.

9. Societal Responsibility

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

10. 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.

11. 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.

12. 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.

13. 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.

14. 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.

15. Design Culture

To know about subjects like art, design, culture, material and furniture history in the field of Interior Architecture.

16. Interior and Landscape Relation

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

17. Ergonomics and Safety

The ability to understand the basic principles of human safety to optimize the interior architectural design in terms of ergonomics, and comprehending universal and sustainable design criteria.

18. Furniture & Material and Applications

Having knowledge about the features of furniture /fixture and materials, and ability to integrate this knowledge to design process.

19. Integrated Interior Systems

Comprehending the relationship between design, construction systems, materials and spatial components and integrating them.

20. Legal Rights and Responsibilities

Investigating legal legislations, understanding the rights provided by chamber of interior architects and adopting the interior architect's responsibilities.

Curriculum

INTERIOR ARCHITECTURE & ENVIRONMENTAL DESIGN									
1-3-5-7					2-4-6-8				
COURSE CODE	COURSE NAME	(T-A-L)C	ECTS	TYPE	COURSE CODE	COURSE NAME	(T-A-L)C	ECTS	TYPE
ARCH103	GRAPHIC COMMUNICATION I	(2-2-0)3	7	MANDATORY	ARCH104	GRAPHIC COMMUNICATION II	(2-2-0)3	7	MANDATORY
ARCH113	FREEHAND DRAWING	(2-2-0)3	6	MANDATORY	ARCH108	INTRODUCTION TO BUILDING SCIENCE	(2-0-0)2	6	MANDATORY
ARCH151	BASIC DESIGN I	(4-4-0)6	10	MANDATORY	ARCH152	BASIC DESIGN II	(4-4-0)6	10	MANDATORY
COMN106-ORTK106	TURKISH-TÜRKÇE	(2-0-0)2	2	ELECTIVE	AREL01	FACULTY ELECTIVE I	(3-0-0)3	5	ELECTIVE
COMN180	COMPUTER LITERACY	(3-0-0)3	5	ELECTIVE	COMN108-ORTK108	HISTORY	(2-0-0)2	2	ELECTIVE
ARCH205	HISTORY OF ART & ARCHITECTURE I	(2-0-0)2	4	MANDATORY	ARCH206	HISTORY OF ART & ARCHITECTURE II	(2-0-0)2	4	MANDATORY
ARCH209	COMPUTER AIDED DESIGN I	(1-2-0)2	6	MANDATORY	ARCH210	COMPUTER AIDED DESIGN II	(1-2-0)2	6	MANDATORY
COMN191	ACADEMIC ENGLISH I	(3-0-0)3	3	ELECTIVE	COMN192	ACADEMIC ENGLISH II	(3-0-0)3	3	ELECTIVE
IASC01	TECHNICAL ELECTIVE I	(3-0-0)3	5	ELECTIVE	IASC02	TECHNICAL ELECTIVE II	(3-0-0)3	5	ELECTIVE
IAED251	INTERIOR DESIGN STUDIO I	(4-4-0)6	12	MANDATORY	IAED252	INTERIOR DESIGN STUDIO II	(4-4-0)6	12	MANDATORY
IASC03	TECHNICAL ELECTIVE III	(3-0-0)3	5	ELECTIVE	ARCH368	CONSERVATION AND RESTORATION	(1-2-0)2	5	MANDATORY
IAED301	LIGHTING FOR INTERIORS	(1-2-2)2	4	MANDATORY	IASC04	TECHNICAL ELECTIVE IV	(3-0-0)3	5	ELECTIVE
IAED307	DETAILING FOR INTERIORS I	(1-2-2)2	4	MANDATORY	IAED304	FURNITURE FINISHES & FIXTURES I	(1-2-2)2	3	MANDATORY
IAED309	MECHANICAL SYSTEMS IN BUILDINGS	(2-0-0)2	4	MANDATORY	IAED308	DETAILING FOR INTERIORS II	(1-2-2)2	4	MANDATORY
IAED300	SUMMER PRACTICE I	(0-1-0)0	1	MANDATORY	IAED314	ERGONOMICS	(1-2-2)2	3	MANDATORY
IAED351	INTERIOR DESIGN STUDIO III	(4-4-0)6	12	MANDATORY	IAED352	INTERIOR DESIGN STUDIO IV	(4-4-0)6	10	MANDATORY
IASC05	TECHNICAL ELECTIVE V	(3-0-0)3	5	ELECTIVE	ARCH405	PROFESSIONAL PRACTICE	(2-0-0)2	6	MANDATORY
IAED403	FURNITURE FINISHES & FIXTURES II	(1-2-2)2	5	MANDATORY	IASC06	TECHNICAL ELECTIVE VI	(3-0-0)3	5	ELECTIVE

IAED400	SUMMER PRACTICE II	(0-1-0)0	1	MANDATORY	IAED406	FURNITURE FINISHES AND FIXTURES WORKSHOP	(1-2-2)2	5	MANDATORY
IAED451	INTERIOR DESIGN STUDIO V	(4-4-0)6	10	MANDATORY	IAED452	INTERIOR DESIGN STUDIO VI	(4-4-0)6	10	MANDATORY
IAED461	GRADUATION PROJECT DESIGN	(0-2-0)1	5	MANDATORY	UFRC02	UNIVERSITY ELECTIVE II	(3-0-0)3	4	ELECTIVE
UFRC01	UNIVERSITY ELECTIVE I	(3-0-0)3	4	ELECTIVE					

Laboratory and Equipment Capacity

There are two computer laboratories, in which various drawing programs are taught. The computers are processor (CPU): Intel 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: Laboratory 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

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COURSE CATALOGUE DESCRIPTIONS

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)

IAED251 Interior Design Studio I (4,4) 6 / 12 ECTS

The course is based on the development of design skills based on human behaviour. Within the framework of the given subject and program, basic design principles such as scale, proportion, occupancyspace, balance, harmony and contrast and individual factors are asked to design a medium-sized space. The aim is to provide the ability of creating the desired order between the interior and exterior space in a medium-sized structure. Traditional hand-drawing techniques are used to build competence of the graphic skills and conduct effective resource research. Furthermore, it is aimed to build the ability of synthesizing the design constraints and the human expectations. (prerequisite: ARCH 152)

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.

IAED252 Interior Design Studio II (4,4) 6 / 12 ECTS

Interior Design Studio II is an introduction into designing interiors of public spaces such as small retails, cafe, coffee shop, bakery, patisserie, etc. Students are asked to consider different user profile, their needs, entrance definition, circulation in the space and service entrances as a part of the design. It focuses on the application and synthesis of theory, information gathering within the design process of space planning, three-dimensional design development, and detailing. It also necessitates designing spaces that incorporate basic design principles, space-form relationships

and putting the user's needs as a priority. Students are also required to choose the right finishes, furniture and fixtures that match with the psychological and physiological well-being of the users.

ARCH206 History of Art & Architecture II (2-0)2 / 4 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.

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)

IAED351 Interior Design Studio III (4-4) 6 / 12 ECTS

IAED351 Interior Design Studio III focuses on developing design skills by taking the human behaviour as the base. It aims to develop design and research skills through design principles. Studio introduce students the contextual interior design problems, which forms the thematic approach for projects in historical urban context. The studio project aims to raise awareness of current issues in interior architecture and develop an understanding of the principles of interior architectural design and contextual approach to consider the physical, historical, socio-cultural, and technological context of the project building location. By raising awareness in these issues, the students are expected to develop a critical attitude in their design solutions. (Prerequisite: Inar252)

IAED301 Lighting for Interiors (1-2) 2 / 4 ECTS

The course provides a basis for students to understand the role and importance of lighting in the interior. The course covers light theory, light sources, light distribution, and the quality of space under different light sources and their effects on human psychology. This course is a core requirement for Interior Design. It will create a foundation needed for interior design professionals to understand the role and importance of lighting in interior space. It will establish the basic knowledge to apply, assess, and document lighting for interior space.

IAED307 Detailing for Interiors (1-2) 2 / 4 ECTS

This course assists the students in exploring the interiors' structural elements such as load bearing structure, partitions, door construction, ceiling and floor design systems including interior furnishing and its construction details. In addition, it improves their understanding of custom design working. The objective of the course is to learn how to design solutions to detailing problems in the design process. Three main elements of the building interiors (floors, walls, ceiling) will be the main focus of the course. Different forms of systems and installations for finishing in interiors such as suspended ceiling, raised floor, light weight wall systems, types and systems of staircases, door and wall systems are introduced to the students.

IAED309 Mechanical Systems in Buildings (2-0) 2 / 4 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 airconditioning systems are among the main subjects of the course.

IAED300 Summer Practice I (0-0) 0 / 1 ECTS

Summer Practice I is an obligatory course that provides interior architecture students with the practical knowledge they need on-site construction work. This prepares students for a graduate job in interior architectural construction industry or sectors. It is a chance for students to put what they have learned from interior 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 environment and relevant industries. Having the opportunity to work on interior construction site encourages a student's spirit of creativity, innovation and entrepreneurship, as this creates opportunities for future employment with other sectors or attached company after graduation.

IAED352 Interior Design Studio IV (4-4) 6 / 10 ECTS

Studio focuses on designing interiors of multifunctional spaces that can be national or international projects. The students examine the problems that are asked in the design project by focusing on human needs, culture, technology, interior quality, material selection, furniture design and selection. In addition, students are expected to develop exterior-interior space relationship by examining the close surroundings. (pre-requisite: INAR 351)

IAED304 Furniture- Finishes & Fixtures I (1-2) 2 / 3 ECTS

This course focuses on reflections of periods of history of art and art movements in furniture design. The course explains and raises awareness about human ergonomics, furniture design and functional relationships in different periods. The students are expected to understand the different period and furniture designs in terms of material, aesthetics, function, structure and detail through research, drawing and making models.

IAED308 Detailing for Interiors II (1,2) 2 / 4 ECTS

This course deals with the construction and detailing of wet and kitchen spaces. It offers systematic instructions for students learning to draft interior construction details that cover detailing fundamentals, including basics of detailing, hand drafting basics, and AutoCAD basics. The building elements to be considered in this course includes detailing and construction methods of new walls and alternative partition walls; floors and ceilings; and furniture, fixtures and fittings. Students will apply the acquired knowledge of the aforementioned elements to design wet and kitchens spaces considering various details, materials, and methods of construction. At the conclusion of the course, students will be able to put what they have learned into practice to create their own simple interior construction details. The course will be disseminated to student through weekly class lectures and practice.

IAED314 Ergonomics (1-2) 2 / 3 ECTS

This course explains ergonomic relations in interior architecture. In this respect, the ratio-proportion aspects are discussed in detail and they are compared case by case from daily needs of ordinary users to the special ones. Ergonomics course will not only elaborate to human building, also human machine relationship. The students will focus on actual ergonomic problems and solutions on different examples.

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.

IAED451 Interior Design Studio V (4-4) 6 / 10 ECTS

Interior Design Studio V is a studio-based design course aims to solve complex interior architectural problems at larger scale. This studio deals with more in-depth tectonic modes of interior architectural problems and it focuses on medium/large scale public buildings, administrative buildings, cultural and central building's interior with complex spatial problems. Students are expected to develop a scenario and an interior architectural program depending on their own scenario by considering the given design problem and interior architectural program as a framework. (pre-requisite: INAR 352)

INAR403 Furniture- Finishes & Fixtures II (1-2) 2 / 5 ECTS

The course discusses anthropometry and human ergonomics and the relationship between the two for understanding the furniture design process and the products. Design methodologies and concepts, the process of designs, different art movements' reflections on furniture designs are discussed and studied. Contemporary designs and designers are studied for understanding people-focused designs as well as the differences between kern form and kunst form, invention and innovation. The students are expected to design contemporary furniture, make research, draw and make models.

IAED461 Graduation Project Research (0-2) 1 / 5 ECTS

The graduation project research is essential to provide required data for developing the interior architectural design of the final project. The primary purpose is to make students to identify a theme, collect relevant information and data systematically, make analysis and present the findings with all necessary tools.

IAED400 Summer Practice II (0-0) 0 / 1 ECTS

Summer Practice II is a mandatory course that exposes interior students to practical activities that provides them with the opportunity to work in interior 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. It allows 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 will also give them the opportunity to learn how to make models to investigate interior spaces, as well as manipulate or use software's such as Rhino, 3DMAX, sketch up, Photoshop to produce utopian images of building interiors.

IAED452 Interior Design Studio VI (4-4) 6 / 10 ECTS

In this course, students develop a graduation project that has been researched and in the graduation research project course (INAR 461). In this context, students create their unique design approach to the proposed interior design brief. Students are expected to design large scale public buildings. Minor structural changes may be allowed within the scope of the project. Students are obliged to research the socio-cultural situation of the region they work in, develop and present a design that will support social cohesion and contribute positively to the life of the individual. Their designs should be formed by combining the new developments of the contemporary design world with local culture and requirements.

IAED406 Furniture- Finishes & Fixtures Workshop (1-2) 2 / 5 ECTS

This course focuses on the ergonomic and functional aspects of furniture design and the materials used. Also the course examines the application and use of appropriate materials and their constructions for furniture and other objects. Material manipulation, furniture and object design works, portfolio design and development of prototypes are created. The students are expected to design contemporary furniture based on a unique concept and research, draw, make models and send their prototypes to production in given scale.

ARCH405 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

IAED208 Materials for Interiors (2-0) 2 / 5 ECTS

This course introduces the building materials and finishes and its applications to building interiors. It also provides environmental impact of building materials and finishes as it relates to human health and well-being, as well as their substantial benefit to the total building edifice. The course covers materials of visual and physical characteristics, properties, and functions through designing with interior architecture building materials.

IAED217 Measuring & Renovation (1-2)2 /6 ECTS

The course is based on giving theoretical information, and practical work about measurement and renovation. The theoretical part deals with measuring the building, the proper tools and methods

for drawing. The applied part consists of research and design for adaptive re-use of the existing building involving the whole interior spaces.

IAED313 Research Methods

This course introduces the language of research, the elements of the research process within quantitative, qualitative, mixed methods approaches and ethical principles. Students use this knowledge to identify problems in their own research, develop hypotheses and research questions, specify independent and dependent variables, check for the validity and reliability of studies and design research projects.

IAED315 Design and Nature

This course explores design ideas, visions, opportunities, and practices through relating and uncovering experience of the natural world. The course includes understanding methods for new design and nature relations, understanding nature has power and agency, a history of design and nature. Students learn a new design methodology by researching the nature, natural structures and their application to their design project.

IAED316 Computer Aided Jewelry Design

This course focuses on various gemstones, materials and their properties as well as the history of jewellery. Then, they use this knowledge to create their own designs, either traditional or contemporary. In this course, students gradually will learn how to design jewelry in various computer aided design such as Rhino 3D software

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.

ARCH360 Small Space Design (3-0) 3 / 4 ECTS

This course prepares students for the practical reality of residential design of small urban spaces. Students will analyse 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 / 4 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.

ARCH450 Experimental Design (3-0)3 / 5 ECTS

Experimental design methods are applied to 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 discussed.

ARCH446 Contemporary Architecture

This course provides a chronological documentation of an era starting from the end of modern architecture, which is dated to 1972, demolition 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.