ANKARA BİLİM ÜNİVERSİTESİ

FACULTY OF FINE ARTS AND DESIGN

DEPARTMENT OF INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN

Overview:

The field of interior architecture encompasses the transformation of building volumes into functional, aesthetic, and sustainable spaces. This discipline bridges the gap between architecture and environmental design, focusing on the interplay between human psychology, environmental science, and creative design. As the creative industries evolve, interior architecture plays a pivotal role in shaping not only physical spaces but also virtual environments in the digital age.

Interior architects are at the forefront of designing spaces that meet contemporary needs and anticipate future trends. The integration of artificial intelligence, new media, and virtual reality has expanded the scope of interior design, allowing professionals to create immersive experiences in both physical and virtual realms. Additionally, the growing emphasis on sustainability and interdisciplinary collaboration drives innovation and excellence in the field. Our department prepares students to navigate this dynamic landscape, equipping them with the skills to excel in a variety of settings, from traditional built environments to cutting-edge digital spaces.

A. Job Opportunities in Interior and Environmental Design:

The demand for interior architects is on the rise due to the global need for innovative and sustainable spaces. Graduates can pursue careers in various sectors, including residential, commercial, hospitality, healthcare, and educational facilities. Additionally, the restoration and adaptive reuse of historical and industrial buildings provide significant opportunities.

In the new digital age, the scope of interior design has expanded significantly. Collaborative creative works have become more prevalent, integrating diverse disciplines such as graphic design, digital media, and virtual reality. Interior designers now have the opportunity to redefine spaces within the virtual realm, including VR environments and the metaverse, creating immersive and interactive experiences that transcend physical boundaries.

Self-employment is also on the rise, with many interior designers choosing to work as freelancers or start their own design firms. This trend is fueled by the increasing accessibility of digital tools and platforms that allow designers to showcase their portfolios, connect with clients globally, and manage projects remotely.

The role of interior designers extends beyond traditional physical spaces to include digital and virtual spaces. This evolution opens up new avenues for creativity and innovation, allowing designers to explore the intersection of physical and virtual environments. As a result, interior designers are now at the forefront of shaping not only the built environment but also the digital landscapes of the future.

The integration of artificial intelligence and new media in design processes further expands job prospects, requiring a blend of technical and creative skills. Interior designers are increasingly collaborating with technology experts to incorporate smart systems, sustainable materials, and innovative construction methods into their projects.

B. Major Identity Dimensions:

Our department is committed to fostering a holistic understanding of interior architecture through the following dimensions:

Interdisciplinary Collaboration:

In today's interconnected world, successful interior design projects often require collaboration across multiple creative fields. Our program emphasizes the importance of working with professionals from related disciplines such as architecture, industrial design, graphic design, and digital media. This collaborative approach allows students to gain a broader perspective, encouraging innovative solutions that address complex design challenges. By fostering teamwork and communication skills, we prepare our students to thrive in multidisciplinary environments and contribute to comprehensive, well-rounded design projects.

Sustainability:

Sustainability is at the core of our design philosophy. We educate our students on the importance of creating spaces that are not only aesthetically pleasing but also environmentally responsible. This involves the use of sustainable materials, energy-efficient technologies, and design strategies that minimize environmental impact. Our curriculum includes courses on green building practices, life cycle assessment, and sustainable design principles. By instilling these values, we aim to produce graduates who are capable of leading the way towards a more sustainable future in interior architecture and environmental design.

Technological Integration:

The rapid advancement of technology is transforming the field of interior architecture. Our program integrates the latest technological tools and methodologies into the design process. Students are trained in computational design, building information modeling (BIM), virtual reality (VR), and artificial intelligence (AI). These technologies enable them to create more accurate, efficient, and innovative designs. Practical workshops and hands-on projects ensure that our students are proficient in using these tools, preparing them to leverage technology to enhance their design capabilities and stay ahead in the ever-evolving industry.

Cultural and Social Awareness:

Understanding the cultural and social context of design is crucial for creating meaningful and impactful spaces. Our program emphasizes the study of cultural history, social dynamics, and human behavior. We encourage students to consider how design affects and is affected by societal values, traditions, and lifestyles. Through courses on cultural studies, social psychology, and anthropology, students learn to create spaces that resonate with the people who use them. This awareness helps them design interiors that are not only functional and beautiful but also culturally relevant and socially responsible.

Professional Excellence:

Professionalism is a key component of our educational approach. We prepare our students for the demands of the interior architecture profession by providing them with a strong foundation in project management, ethics, and business practices. Courses cover topics such as client relations, contract negotiation, and regulatory compliance. We also emphasize the development of soft skills, such as leadership, communication, and teamwork. Real-world projects and internships provide students with practical experience, ensuring they are ready to meet the challenges of their professional careers with confidence and competence.

C. Topics for Academic Focus:

Our curriculum is designed to cover a wide range of contemporary and forward-thinking topics, including:

- Human-environment interaction and its influence on design strategies.

- Cutting-edge materials and technologies, with a focus on sustainability.
- Advanced representation and communication techniques.
- Innovations in design and construction technologies.
- Integration of arts and crafts in interior design.
- Best practices in various building typologies (residential, healthcare, hospitality, etc.).
- Legal standards and ethical considerations in design.
- Identity and meaning in interior spaces across different cultures and societies.

D. Learning Outcomes:

By the end of the bachelor's program, students will:

1. Developing interdisciplinary design strategies that address complex environmental and societal problems.
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.
3. Applying environmental, social, and economic sustainability principles in design projects.
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.
7. Acting confidently in the legal and ethical dimensions of the profession.
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.

E. Course Streams:

The program is structured around five key course streams to provide a comprehensive education:

Design Stream:

The Design Stream encompasses the core principles and practices of interior architecture, focusing on the creation and transformation of interior spaces. Students will delve into the fundamental elements of design, including space, light, color, texture, and form. This stream emphasizes the importance of a creative and sustainable approach to design, encouraging students to develop innovative solutions that meet the needs of modern society. Through a series of design studios and projects, students will gain hands-on experience in conceptualizing and executing interior spaces, from residential and commercial environments to specialized spaces such as healthcare and hospitality facilities. The stream also includes virtual design experimentation, where students can explore and represent their ideas using advanced digital tools.

Technology Stream:

The Technology Stream is dedicated to the exploration and application of the latest advancements in materials, construction technologies, and computational design. Students will learn about the properties and uses of various materials, focusing on sustainability and environmental impact. This stream covers cutting-edge construction technologies and methods, preparing students to incorporate innovative

solutions into their designs. Additionally, the stream emphasizes the role of artificial intelligence and computational design in the creative process, enabling students to leverage these technologies for more efficient and effective design outcomes. Practical workshops and laboratory sessions will provide students with hands-on experience in using these technologies to solve real-world design challenges.

Humanities Stream:

The Humanities Stream provides a comprehensive understanding of the relationship between design, culture, society, and individual psychology. Students will explore how cultural and social contexts influence design decisions and how interior spaces can impact human behavior and well-being. Courses in this stream cover topics such as the history of interior design, cultural studies, and the psychology of space. By examining case studies and engaging in interdisciplinary research, students will develop a deeper appreciation for the cultural and social dimensions of interior architecture. This stream also encourages critical thinking and ethical considerations, preparing students to create designs that are not only aesthetically pleasing but also culturally and socially responsible.

Environmental Sciences Stream:

The Environmental Sciences Stream focuses on the environmental factors that influence interior spaces, such as light, sound, air quality, and energy efficiency. Students will learn about the principles of sustainable design and how to create environments that promote health and well-being. Courses in this stream cover topics such as lighting design, acoustics, indoor air quality, and energy-efficient building systems. Students will also explore the latest technologies and strategies for achieving sustainable design goals, including green building certifications and energy modeling. Practical applications and case studies will allow students to apply their knowledge to real-world scenarios, ensuring they are well-equipped to design environments that are both sustainable and conducive to human health.

Professional Practice Stream:

The Professional Practice Stream prepares students for the practical aspects of the interior architecture profession. This stream covers essential topics such as project management, legal standards, ethical practices, and business skills. Students will learn about the various stages of the design process, from initial client consultation and project planning to construction documentation and project delivery. Courses will also address the importance of professional ethics and standards, ensuring that students are aware of their responsibilities as interior architects. Additionally, the stream includes training in effective communication and presentation skills, helping students to articulate their design ideas and collaborate with clients and other professionals. Real-world projects and internships will provide students with valuable hands-on experience, bridging the gap between academic learning and professional practice.

F. Call to Join Our Academic Space:

Ankara Bilim University invites prospective students to join our dynamic academic community. Here, you will work alongside experienced faculty, industry professionals, and fellow students to explore the cutting-edge of interior architecture and environmental design.

G. Degree Earned:

Upon successful completion of the program, students will earn a Bachelor’s Degree in Interior Architecture and Environmental Design.

H. Admission Requirements:

Turkish citizens must take the higher education entrance examinations (YKS). International and transfer students can apply through the University's Office of International Students. Proficiency in English is required for all applicants.

I. Graduation Requirements:

Students must complete the eight-semester program with a minimum of 240 ECTS credits, a 60-day internship, and maintain a CGPA of 2.00 out of 4.00 to graduate.

J. Year-Based Learning Outcomes:

1st Year: Introduction to the fundamental concepts of design, space, built environment, and interior architecture. Students will explore the relationships between design and human factors such as culture, community, and societal norms. This foundational year emphasizes integrating these concepts into initial design proposals and strategies.

2nd Year: Building on the first year, students will focus on designing spaces for communities and their cultures, considering individual personalities and community rules. Students will learn to assess building safety, support systems, and construction technologies.

3rd Year: This year focuses on sustainability, safety, and professional services in interior architecture. The curriculum introduces environmental science issues, construction technologies, and detailing, requiring a more design-oriented understanding and application of these principles.

4th Year: The final year integrates the knowledge, expertise, and skills acquired throughout the program. Students will tackle complex design projects addressing people, communities, and social systems with a holistic understanding of civilization. This year emphasizes advanced project development, technical representation, and professional practice, preparing students for their careers in interior architecture.

Join us at Ankara Bilim University's Department of Interior Architecture and Environmental Design to shape the future of creative industries and sustainable design.

K. Course Plan – Department of Interior Architecture and Environmental Design

	1st YEAR "FALL TERM" COURSES	**T**	**A**	**CREDITS**	**ECTS**
IAD 101	INTRODUCTION TO DESIGN	4	4	6	8
IAD 103	GRAPHIC COMMUNICATION I	4	0	4	5
FAD 107	VISUAL DESIGN I	2	2	3	6
IAD 121	INTRODUCTION TO INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN	3	0	3	5
HIS 101	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	-	-	-	2
TUR 101	TURKISH I	-	-	-	2
ENG 101	ENGLISH FOR ACADEMIC PURPOSES I	-	-	-	2
	TOTAL	**13**	**6**	**16**	**30**
	1st YEAR "SPRING TERM" COURSES	**T**	**A**	**CREDITS**	**ECTS**
IAD 102 (PR: IAD101)	INTRODUCTION TO INTERIOR ARCHITECTURE DESIGN STUDIO	4	4	6	8
IAD 104 (PR: IAD103)	GRAPHIC COMMUNICATION II	4	0	4	5
IAD 132	INTRODUCTION TO BUILDING MATERIALS	3	0	3	5
FAD 108	VISUAL DESIGN II	2	2	3	6
HIS 102	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	-	-	-	2
ENG 102	ENGLISH FOR ACADEMIC PURPOSES II	-	-	-	2
TUR 102	TURKISH II	-	-	-	2
	TOTAL	**13**	**6**	**16**	**30**
	2nd YEAR "FALL TERM" COURSES	**T**	**A**	**CREDITS**	**ECTS**
IAD 201 (PR: IAD102)	DESIGN STUDIO I	4	4	6	8
IAD 221	HISTORY OF ARCHITECTURE I	3	0	3	5
IAD 203	ADVANCED DESIGN COMMUNICATION	3	0	3	5
IAD 253	BUILDING AND CONSTRUCTION TECHNIQUES	3	0	3	5
IAD ELEC	**ELECTIVE I**	3	0	3	5
ENG 201	COMMUNICATION TECHNIQUES I	-	-	-	2
	TOTAL	**16**	**4**	**18**	**30**
	2nd YEAR "SPRING TERM" COURSES	**T**	**A**	**CREDITS**	**ECTS**
IAD 202 (PR: IAD201)	DESIGN STUDIO II	4	4	6	8
IAD 222	HISTORY OF ARCHITECTURE II	3	0	3	5
IAD 254	ENVIRONMENTAL CONTROL	3	0	3	5
IAD 242	BUILDING SURVEYING TECHNIQUES	3	0	3	5
IAD ELEC	**ELECTIVE II**	3	0	3	5

ENG 202	COMMUNICATION TECHNIQUES II	-	-	-	2
	TOTAL	**16**	**4**	**18**	**30**
	3rd YEAR "FALL TERM" COURSES	**T**	**A**	**CREDITS**	**ECTS**
IAD 301 (PR: IAD202)	DESIGN STUDIO III	4	4	6	8
IAD 351	DETAIL STUDIO I	3	2	4	7
ELEC	**NON-DEPARTMENTAL ELECTIVE I**	3	0	3	3
FAD ELEC	**ELECTIVE III**	3	0	3	5
FAD ELEC	**ELECTIVE IV**	3	0	3	5
ENG 301	ACADEMIC AND OCCUPATIONAL WRITING SKILLS I	-	-	-	2
	TOTAL	**16**	**6**	**19**	**30**
	3rd YEAR "SPRING TERM" COURSES	**T**	**A**	**CREDITS**	**ECTS**
IAD 302 (PR: IAD301)	DESIGN STUDIO IV	4	4	6	8
IAD 352 (PR 351)	DETAIL STUDIO II	3	2	4	7
FAD ELEC	**ELECTIVE V**	3	0	3	5
FAD ELEC	**ELECTIVE VI**	3	0	3	5
ELEC	**NON-DEPARTMENTAL ELECTIVE II**	3	0	3	3
ENG 302	ACADEMIC AND OCCUPATIONAL WRITING SKILLS II	-	-	-	2
	TOTAL	**16**	**6**	**19**	**30**
	4th YEAR "FALL TERM" COURSES	**T**	**A**	**CREDITS**	**ECTS**
IAD 401 (PR: IAD302)	DESIGN STUDIO V	4	4	6	8
ELEC	**NON-DEPARTMENTAL ELECTIVE III**	3	0	3	3
FAD ELEC	**ELECTIVE VII**	3	0	3	5
FAD ELEC	**ELECTIVE VIII**	3	0	3	5
FAD ELEC	**ELECTIVE IX**	3	0	3	5
IAD 490	SUMMER INTERNSHIP (CONSTRCUTION SITE)	-	-	-	4
	TOTAL	**16**	**4**	**18**	**30**
	4th YEAR "SPRING TERM" COURSES	**T**	**A**	**CREDITS**	**ECTS**
IAD 402 (PR: IAD401)	GRADUATION PROJECT AS PROFFESSIONAL PRACTICE	2	26	15	25
FAD ELEC	**ELECTIVE X**	3	0	3	5
	TOTAL	**5**	**26**	**18**	**30**
	TOTALS			**142**	**240**

Elective Courses					
Course Code	**Course Name**	**T**	**A**	**C**	**ECTS**
FAD 231	RECREATIONAL SPACE DESIGN	3	0	3	5
FAD 204	BIM ADVANCES IN INTERIOR ARCHITECTURE	3	0	3	5
FAD 300	ADVANCED MODEL MAKING TECHNIQUES	3	0	3	3
FAD 311	MODULAR SYSTEMS	3	0	3	5
FAD 312	PRODUCTS OF INTERIOR ARCHITECTURE, PRODUCTION FIRMS AND RETAILING	3	0	3	5
FAD 331	LIGHTING DESIGN	3	0	3	5
FAD 332	UNIVERSAL DESIGN PRINCIPLES	3	0	3	5
FAD 333	ENVIRONMENTAL PSYCHOLOGY	3	0	3	5
FAD 342	DIGITAL DOCUMENTATION TECHNIQUES	3	0	3	5
FAD 353	INTERIOR CONSTRUCTION SYSTEMS WITH BUILDING INFORMATION MODELING	3	0	3	5
FAD 354	SUSTAINABLE DESIGN	3	0	3	5
FAD 362	VERTICAL CIRCULATION SYSTEMS	3	0	3	5
FAD 363	DIGITAL FABRICATION TECHNIQUES	3	0	3	5
FAD 364	WET SPACE DESIGN	3	0	3	5
FAD 403	DESIGN RESEARCH METHODS	3	0	3	5
FAD 404	PORTFOLIO	3	0	3	5
FAD 434	SAFETY PRINCIPLES OF INTERIOR ARCHITECTURE	3	0	3	5
FAD 441	CONSERVATION OF HISTORIC SPACES	3	0	3	5
FAD 462	ART AND SPACE INTERACTION	3	0	3	5
FAD 474	STAGE DESIGN	3	0	3	5
FAD 465	FURNITURE DESIGN	3	0	3	5
FAD 467 (PR. FAD 204)	HISTORIC BIM STUDIES	3	0	3	5
FAD 468	MUSEUMS AND EXHIBITION DESIGN	3	0	3	5
FAD 469	ADAPTIVE REUSE OF INDUSTRIAL BUILT HERITAGE	3	0	3	5
FAD 470 (PR. FAD 204)	ADVANCED BIM STUDIES	3	0	3	5
FAD 472	LANDSCAPE ARCHITECTURE	3	0	3	5
FAD 477	PARAMETRIC DESIGN IN INTERIOR ARCHITECTURE	3	0	3	5
FAD 478	PROFESSIONAL PRACTICE IN INTERIOR ARCHITECTURE	3	0	3	5
FAD 479	CONSTRUCTION SITE MANAGEMENT	3	0	3	5
FAD 480	PROFESSIONAL CAREER	3	0	3	5

L. COURSE CONTENTS

FIRST TERM – FALL

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
INTRODUCTION TO DESIGN	IAD 101	FALL	4	4	0	6	8
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face						
Learning and teaching strategies	Studio work, project presentation, research presentation, discussion, lecturing, peer-review						
Instructor (s)	Assoc. Prof. Dr. Ece KUMKALE AÇIKGÖZ, Inst. M. İlhan Kesmez						
Course objective	The main objective of the course is to prepare the students for spatial and environmental design and introduce them to the basic concepts and principles of design along with a process of developing spatial sensibility and design literacy. The students are expected to develop skills in abstraction, design problem definition and design problem solving with technical and craft skills in design communication.						
Learning outcomes	At the end of the course the students will be able to: • Define a sensible spatial design problem • Utilize the basic principles of design for a consistent design solution • Represent the design idea with technological and crafts media • Develop two dimensional and three-dimensional configurations to achieve design solutions • Research and utilize conceptual-motivational content • Think critically • Explore unity within consistency • Define the focus of a design work • Accept constructive criticism • Socially interact via his/her design concepts and solution • Examine specialist area of creative practice within historical and contemporary contexts • Develop art and design solutions, through an iterative development process, in response to a given brief • Present an art and design solution, including a portfolio of development work, in response to a given brief • Evaluate work in relation to an identified area of specialism in the creative industries • Examine specialist area of creative practice within historical and contemporary conte xts • Develop art and design solutions, through an iterative development process, in response to a given brief						
Course Content	Exercises on idea generation, critical thinking, experiencing 2D and 3D design media and related design principles						
References	• Allen, W. (1975). *God: a comedy in one act*. Samuel French, Inc.. • Asimov, I. (2004). *I, robot*. Spectra. • Barthes, R. (1997). "The Eiffel Tower", *The Eiffel Tower, and other mythologies*. Univ. of California Press, pp. 3-18. • Berger, J. (2008). Ways of seeing. Penguin UK. • Bergson, H. (1910), "The Aesthetic Feelings", *Time and Free Will: An Essay on the Immediate Data of Consciousness,* London : George Allen & Unwin Ltd., pp.11-18.						

	• Lauer, D. A., & Pentak, S. (2011). *Design basics*. Cengage Learning. • Melwille, H. (1851) "Chapter 1", Moby Dick • Wölfflin, H. (2012). "Introduction: The double root of style – the most general representational forms – Imitation and decoration". Principles of art history. Courier Corporation.

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Introduction to the course: An overview of the reasoning behind the course The idea behind the course, a comparison between its equivalents in other design schools in national and international contexts Expression of the process, requirements and expectations. First exercise assignment brief.
2. Week	Discussions on the "essential" in design thinking. Discussion on how abstraction via 2D Euclidian geometric configurations serves in design thinking. Discussion on student works; for questioning how basic design concepts like unity and variety; material, color, application and compositional emphasis and focal point can/cannot serve for the "essential" in design thinking.
3. Week	Discussions on the signified and the signifier; purpose, function, and meaning in the perceived signifier. Discussions on the student works with a special emphasis on "authenticity".
4. Week	Discussions on the articulate techniques of basic design: Can they alter the transmitted content? Discussion on the student works; questioning how basic design concepts like scale and proportion, ratios, grids, scale references and relative sizes defined via the phrases "scales of" and "scales within" in balance or purposeful imbalance within symmetry, asymmetry or other configurations can/cannot serve to define a code of relations in design thinking. Discussion on the function of reduction from complex to simple. Assignment brief for building up a code of relations among parts to be able to define the "exceptional"
5. Week	Discussions on the student works, regarding their programmatic consistency and the exceptional. Defining the function of a code of design. Discussion on sample codes of design; shape grammars and their media. The possible mediums of design codes like rhythmic configurations such as rhythm within motion for sensing alternations and/or progression. Assignment brief for retransmitting the suggestion of a selected piece of art within a 3D configuration.
6. Week	Discussions on student works regarding their potentials in questioning the given. Experiencing discussions on critical thinking. 1st Design Jury Brief: Presentation of the definition of a geometric code, generated from simple Euclidian geometries, via employing materials and color as means of emphasis. A Design work produced with the code; and 2D orthographic and perspectival drawings to express the working principles of the generated code.
7. Week	Mid-Term Jury
8. Week	Studio Work on volumetric configurations, light/shade and volume definition. Discussion on student works. Assignment brief structured on subsidiary content for a research-based design work.
9. Week	Discussion on student works with a specific focus on the structural potentials of the used materials. Assignment brief of a structural problem reinforced with a specific focus on a given subsidiary content.

10. Week	Studio work continued on the structural problem. Student presentations on their individual research and structural design work. Preparations for an exhibition of the selected works. Assignment Brief: An exhibition theme and its setting design in the physical common space of the Faculty of Fine Arts and Design, with blind submission requirements.
11. Week	Assignment submission and peer-review process; requiring student feedback on their evaluation criteria for each student work. Submission of the reviewed student works and exhibition opening, student presentations and faculty critics. Assignment Brief: A volumetric design configuration with a pre-defined structural principle and required representative and explanatory drawings.
12. Week	Discussions on student works. Lecture on spatial meaning and function of design objects. Describing functional meaning of things. Assignment brief: Designing an object for a specific purpose in a specific space, with the necessary structural, volumetric, material, textural and color inputs for a given theme provided by a research work on the subsidiary content.
13. Week	Final Jury Assignment Brief: Solving a design problem of a design object to be served for a specific purpose, requiring the application of a code, defined to cope with the self-generated geometric, volumetric, and structural complexity with the appropriate use of materials, colors and shade. An orthographic and conceptual representation set of the design work is required.
14. Week	Studio work on the final project; panel and desk critics.
15. Week	Presentation Preparations
16. Week	Final Jury

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	0	%0
Laboratory	0	%0
Application	5	%15
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%19
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	18	%100
Contribution of Semester Works to Success Points	18	%100
Contribution of Final Project to Success Points		%0
Total	18	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	8	112
Laboratory			
Application	5	8	40
Specific practical training			
Field activities			0

Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	3	42
Presentation / Seminar Preparation	3	8	24
Project	2	4	8
Homework assignment	8	3	24
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	34	250

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.	X				
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.		X			
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.	X				
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10.Using advanced design tools and artificial intelligence to improve design processes and outcomes.		X			

Course Name	Code	Semester	Theory	Application (hours/week)	Laboratory	National Credit	ECTS

			(hour/ week)		(hours/wee k)		
GRAPHIC COMMUNICATIO N I	IAD 103	FALL	4	0	0	4	5
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to Face						
Learning and teaching strategies	Studio work, research, lecturing, discussions, practice, homework.						
Instructor (s)	Assist. Prof.Dr. Merve Şahika ERKAN, Assist. Prof. Dr. Hüma TÜLCE UMAN						
Course objective	The course objective is to make the students develop a foundation for presentation and communication techniques of design. This foundation includes developing the skills in a variety of methods of design articulation for exploring different design possibilities. The studio works include orthographic and perspectival drawings of 3D objects, starting with simple Euclidian shapes and developing towards more complex shape grammars and spaces. They also include rendering techniques of both orthographic and perspectival drawings with a variety of thematic focuses. This course is conducted parallel to the content and work of IAD 101 "Introduction to Design" course where the students are expected to present their design work with the required techniques and media.						
Learning outcomes	After taking this course, students will be able to; - Produce orthographic drawings of 3D objects from simple geometries to geometries of medium complexity, with appropriate line-weights. - Produce orthographic drawings of spaces with simple geometric complexity - Produce free hand perspectival drawings of simple 3D objects and spaces - Render orthographic and perspectival drawings with various techniques - Represent form and position via shade, light, texture and color - Determine the point of emphasis in a drawing with rendering techniques - Prepare a fully articulate set of design drawings with a stylistic rendering quality						
Course Content	As a presentation and communication tool, the course focuses on second and third dimensional expression techniques, while understanding the importance and role of these techniques in the design process.						
References	• Ching, Francis. 1987. *Interior Design illustrated*. New York: Van Nostrand. • Ching, Francis, and Steven P. Juroszek. 1998. *Design Drawing*. New York: Van Nostrand Reinhold. • Ching, Francis. 2009. *Architectural Graphics*. 1975. Reprint. Hoboken, New Jersey: John Wiley & Sons. • Cooper, Douglas. 2001. *Drawing And Perceiving: Life Drawing For Students Of Architecture And Design*. 3rd ed. New York: Wiley, 2001. • Erpi, Feyyaz ve Hakan Gürsu. 1986. *Graphic Communication*. Ankara: ODTÜ Yayınları. • Hollis, Richard. 1994. *Graphic Design*. London: Thomas and Hudson ltd. • Hotan, Harbi. 1999. *Mimari Perspektif ve Perspektif Gölge*. İstanbul: YEM Yayın. • Onat, Esen. 1975. *Perspektiv*. İstanbul: İTÜ Yayınları. • Şahinler, Orhan ve Fehmi Kızıl. 2003. *Mimarlıkta Teknik Resim*. İstanbul: YEM Yayın. • Wang, Thomas, C. 1996. *Plan and Section Drawing*. 1979. Reprint. Hoboken, New Jersey: John Wiley & Sons.						
COURSE WEEKLY SCHEDULE							
Weeks	**Subjects**						

1. Week	Introduction to the course; tools and methods of orthographic drawings; required materials; explanation of the semester work and requirements.
2. Week	Sheet organization, T-square and setsquare use with drawing pencils; starting with letterheads for layouts; signing the layouts. Assignment brief: Sheet organization with architectural lettering, line drawing exercise, Practicing architectural lettering
3. Week	First exercises on orthographic drawing, simple geometric 2D shapes and their 3D prisms assuming their filled and void forms. The concept of section drawing. Assignment brief: Section drawing Assignment brief: Producing simple 3D geometric objects with given dimensions from cardboard as the 3D object materials of the following week.
4. Week	First exercises on scaled perspectival drawings (axonometric drawing, isometric drawing) of the given orthographic drawings of 3D objects of simple Euclidian geometries.
5. Week	Orthographic drawings of space: Plans, section, and elevations with, ceilings and interior facades, annotations. Representing the cut geometries, representing the unknown.
6. Week	Orthographic drawings of space: Plans, section, and elevations with, ceilings and interior facades, annotations. Representing the cut geometries, representing the unknown.
7. Week	**1st mid-term:** Producing the orthographic, section and perspectival drawings of the given 3D object with required annotations.
8. Week	Lecture on techniques of 1/50 scale Perspective drawings (one point and two point perspectives) Assignment Brief: Freehand perspective drawings of selected interior spaces Assignment Brief: Drawing perspective lines over photographs
9. Week	Lecture on techniques of 1/50 scale and model making Introduction to common types of rendering Lecture on the representation of the materials in elevation and section. The function of hierarchical transparency and shade in orthographic representations. applying the required material characteristics of given interior spaces' drawings
10. Week	Assignment Brief: Drawing plan, section, elevation
11. Week	Lecture on entourage and plantation in exterior space rendering. Lecture on Terrain study by model making, showing the slope of the field/terrain with leveling curves. Assignment Brief: completing an appropriately rendered version of iconic house and elevation drawing set. Assignment Brief: Model making
12. Week	Lecture on entourage and plantation in exterior space rendering. Lecture on Terrain study by model making, showing the slope of the field/terrain with leveling curves. Assignment Brief: completing an appropriately rendered version of iconic house and elevation drawing set. Assignment Brief: Model making
13. Week	Lecture on a complete set of interior architecture project drafting. Final Assignment: Completing the drawing set of the previous assignment on the given sheet dimensions, with the required representations like the fabric legend, material legend, perspectives and annotations. Studio Work: Designing the sheet organization of the final assignment.
14. Week	Studio work: Final Assignment studio work and critics.

15. Week	Final Exams Week
16. Week	Final Submissions of the final assignment and representations

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	0	%0
Laboratory	0	%0
Application	12	%30
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%30
Final Exam	1	%40
Total	14	%100
Contribution of semester Works to success points	13	%60
Contribution of final exam to success points	1	%40
Total	14	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	4	56
Laboratory			
Application	12	5	60
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, ect)			
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	1	5	5
Final Exam (Study duration)	1	30	30
Total Workload	28	44	151

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					

3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.		X			
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.	X				
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.			X		

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
VISUAL DESIGN I	FAD 107	FALL	2	2	0	3	5
Prequisites	None						

Course Language	English
Course Type	Required
Mode of Delivery	lecturing, discussions, practice, homework
Learning and teaching strategies	This course will combine lectures, computer laboratory exercises, discussions, individual and collaborative projects, software demonstrations, and presentations. Active participation, engagement, and a willingness to experiment are highly encouraged.
Instructor (s)	Inst. Cem Yılgın
Course objective	This course is designed to equip students with a strong foundation in visual communication and digital design, focusing on the practical application of design principles through industry-standard software. The primary aim is to develop students' ability to create visually compelling and communicative designs. By the end of the course, students should have a comprehensive understanding of design fundamentals, including composition, color theory, typography, and visual hierarchy. The course also aims to enhance students' technical proficiency in digital tools, enabling them to bring their creative ideas to life and deliver these ideas utilizing effective presentation techniques.
Learning outcomes	• Application of Basic Design Principles: Students will demonstrate a thorough understanding of design fundamentals, including composition, color theory, typography, and visual hierarchy, and will be able to apply these principles effectively in their work. • Proficiency in Software: Students will be proficient in using Adobe Photoshop and Illustrator for a variety of design tasks, including image editing, photo manipulation, and digital composition. They will be able to navigate the software confidently and utilize its tools to create professional-quality designs. • Critique and Refinement of Designs: Students will develop the ability to analyze and critique design work, both their own and that of others. They will be able to identify areas for improvement and apply feedback to refine their designs, demonstrating an iterative approach to the creative process. Professional Presentation Skills: Students will be able to prepare and present their design work in a professional manner, articulating their design choices and processes clearly during critiques and final presentations incorporated into their relative studio courses.
Course Content	Introduction to Visual Design and Media, Basic Design Principles, Graphics and Representation, Composition, 2D Graphic Software Literacy, Art and Creative Thinking, Presentation Techniques.
References	Costello, V. (2012). *Multimedia Foundations. Core Concepts for Digital Design.* Elsevier & Focal Press. Leborg, C. (2004). *Visual Grammar*. Princeton Architectural Press. Chavez, C. (2024). *Adobe Photoshop Classroom in a Book 2024 Release.* Adobe Press. Anton, K.K. & DeJarld, T. (2024). *Adobe InDesign Classroom in a Book*. Adobe Press. Wood, B. (2024). *Adobe Illustrator Classroom in a Book*. Adobe Press.

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	An overlook to the course syllabus; introduction to visual communication and design principles; overview of Adobe CC software; downloading and setting up the software; insights into user interface.
2. Week	Introduction to Media and Designing; Preproduction, Design process, Production, Post-production; composition, color theory; visual principles, audience targeted design.
3. Week	Exploring visual communication and applied design principles; balance, contrast, emphasis, hierarchy, rhythm, unity; visual abstraction and communication; gestalt principles and perception, composition principles; visual storytelling.
4. Week	Overview of the Photoshop interface; layers, tools, and workspace; basic image editing; cropping, resizing, and adjustment. Lab Work 1: 4 Exercises provided in-class

5. Week	Using selection and masking in PS; feathering; non-destructive editing; textures. Wrap-Up Examples, Design and Basic UX Examples, exploring artistry in visual design. Lab Work 2: Using Selection and Masks in Photoshop
6. Week	Typography, Basics of typography and type tools; creating and formatting text layers; using adjustment and warping techniques; combining text with visuals Lab Work 3: 3 Exercises provided in-class
7. Week	Colors and Manipulations, Understanding color correction tools; curves, levels, hue/saturation; Enhancing images; color and tonal adjustments. Lab Work 4: 3 Exercises provided in-class
8. Week	Midterm
9. Week	Introduction to Adobe Illustration, Overview of the Illustrator interface and tools; vector vs. raster graphics; basic shape creation and manipulation; type tools and typography Lab Work 5: 3 Exercises provided in-class
10. Week	Art and Design: Multidirectional Studies, Exploring the intersecting paths of Design, Visuality and Art and Architecture; Pop Art; Dadaism; Surrealism; Exploring artistry in visual design. Lab Work 6: Creating an artistic expression in photoshop format
11. Week	Presentation Techniques: Powerpoint and Prezi, Presentation design; combining adobe and office software for presentation; incorporating Ai tools; Powerpoint; effective layout techniques; exploring ideas and examples; Prezi. Lab Work 7: 2 Exercises for creating presentation templates with Powerpoint and Prezi.
12. Week	Class Presentations: Working on Digital Design Blogs Lab work and individual consultations for digital design blogs, student presentations of lab works, improving presentation work, combining materials and software workflow. Lab Work 8: Working on the revised presentations for submission
13. Week	Project Development and Portfolio Building, Adobe Indesign; project development; story-telling and photo-narrative; Citation techniques, incorporating Indesign for creating booklets. Lab Work 9: Exercises to create a portfolio using Indesign and Photoshop PDF merging.
14. Week	Course Wrap-up and Getting Ready for Final Project, Project work and individual consultations, feedback on project ideas and progress; course review and reflection, tips for composing final products in Photoshop, citation of visuals and ai materials. Lab Work 10: Exercises for sketching ideas for final project and material database
15. Week	Final project development, individual feedbacks, drawing complex shapes and illustrations; exercises with the drawing tools in photoshop, printing techniques, color and page layout corrections for printing.
16. Week	Final exam

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	14	%10
Laboratory	10	%10
Project (Digital Blog)	1	%10
Assignments	10	%20
Presentation	0	%0
Seminar	0	%0
Mid-term Exam	1	%20
Final Exam	1	%30
Total	37	%100
Contribution of Semester Works to Success Points	36	%70
Contribution of Final Project to Success Points	1	%30
Total	37	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	4	56
Laboratory			
Application			
Specific practical training	14	2	28
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	10	2	20
Presentation / Seminar Preparation			
Project			
Homework assignment	5	3	15
Midterms (Study duration)	1	8	16
Final Exam (Study duration)	1	20	20
Total Workload	45	39	155

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.		X			
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.		X			

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
INTRODUCTION TO INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN	IAD 121	FALL	3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Required
Mode of Delivery	Distance Learning
Learning and teaching strategies	Lecturing, presentation of slides and short films, readings, discussion
Instructor (s)	Assist. Prof. Dr. Merve Şahika ERKAN
Course objective	The course's main objective is to provide the student with a set of key concepts about interior architecture discipline To install in students a serious sensibility towards an understanding of the interior architecture discipline in relation to the social system, cultural contexts and the personal properties.
Learning outcomes	• At the end of the course, the students will be able to understand and contribute to, • How interior design architecture functions as a discipline • How professional design/architecture services play an important role in good design practice • Interior design/architecture discipline's relation with social research and cultural significance • Discipline's human dimensions • Uses of participation in interior design/architecture as a response to the complexity of design problems • Explore the creative industries professions, through research into historic and contemporary precedent • Discuss personal career goals in relation to the range of roles and subjects in the creative industries • Define personal development plans; highlighting areas to support specific career goals and general skills • Critically reflect on the achievement of personal development goals and plan for the future. • Discuss the social, historical and cultural context of key art and design movements, theories and practices • Analyse a specific work of art or design related to own area of specialism • Use primary and secondary research methods to investigate an area of practice, with consideration of research ethics • Present research findings, through written work, visually and orally
Course Content	Presentations on interior architecture/design as a discipline in relation to civilization, society, culture and personality. Inviting critical thinking
References	Binggeli, C. (2016). Building Systems for Interior Designers, John Wiley & Sons, Incorporated. Ching, Francis D.K.& Binggeli, C. (2012). Interior Design Illustrated, John Wiley & Sons, Incorporated.

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	An overview of the course. Introduction of the terminology to be used.
2. Week	What is Interior Architecture?

3. Week	Environment and Space Environment as a concept and its types
4. Week	Space as a concept and its types
5. Week	Human-Space Relationship
6. Week	Basic Design Principles
7. Week	Gestalt perception theory
8. Week	MID TERM
9. Week	Analysis and abstaction (depends on gestalt and design principles)
10. Week	Iconic buildings
11. Week	Iconic buildings analysis and abstaction
12. Week	Iconic buildings analysis and abstaction
13. Week	Iconic buildings analysis and abstaction
14. Week	PREPARATIONS FOR THE FINAL EXAM
15. Week	
16. Week	THE FINAL EXAM

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	0	%0
Laboratory	0	%0
Application	0	%0
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	10	%20
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%40
Final Exam	1	%40
Total	12	%100

Contribution of Semester Works to Success Points	11	%60
Contribution of Final Project to Success Points	13	%40
Total		%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	3	42
Laboratory			
Application			
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	1	14
Presentation / Seminar Preparation			
Project			
Homework assignment	5	2	10
Midterms (Study duration)	1	20	20
Final Exam (Study duration)	1	20	20
Total Workload	35	46	102

THE COURSE **LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX**

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.				X	
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.		X			
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.			X		
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.	X				
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.			X		
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.tificial intelligomes.		X			

SECOND TERM – SPRING

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
INTRODUCTION TO INTERIOR ARCHITECTURE DESIGN STUDIO	IAD 102	SPRING	4	4	0	6	8

Prequisites	IAD 101
Course Language	English
Course Type	Required
Mode of Delivery	Face to face
Learning and teaching strategies	Studio work, project presentation, research presentation, discussion, lecturing, peer-review
Instructor (s)	Assist. Prof. Dr. Ece KUMKALE AÇIKGÖZ, Inst. M. İlhan KESMEZ
Course objective	The aim of this course is to continue to provide the ability to think in abstract terms in a studio setting and the understanding of basic design concepts and principles. Students obtain the skills to problematize a design situation and to analyze design context. Another goal is to facilitate an observant approach and critical thinking towards urban context. The objective in terms of production is to equip the student with the capability to use various visual and verbal presentation tools.
Learning outcomes	At the end of the course the students will be able to: • Ability to think in abstract terms and the understanding of basic design concepts and principles. • Capability to understand the design context and problematize a design situation. • Ability to maintain an observant and critical assessment while approaching the design process from a holistic perspective. • Ability to visually and verbally present original design work using various tools of representation. • Examine specialist area of creative practice within historical and contemporary contexts • Develop art and design solutions, through an iterative development process, in response to a given brief • Present an art and design solution in response to a given brief • Evaluate work in relation to an identified area of specialisation in the creative industries • Examine specialist areas of creative practice within historical and contemporary cont exts • Develop art and design solutions, through an iterative development process, in response to a given brief
Course Content	Building on the basic design principles, techniques, processes and methods founded at IAD 101. Investigation of visual, formal, functional and spatial concepts required through the development of design. Studio work, short-term projects based on scale and context and functional issues. Developing a project solution considerind circulation of flowing spaces with

	level differentiations. Analysis of functional use and dynamics of a given context. Representational and analytical presentation techniques.
References	• Brecht, B., & Mueller, C. R. (1961). *On the experimental theatre*. Tulane Drama Review, 6(1), 2-17. • Roose-Evans, J. (2013). *Experimental Theatre: From Stanislavsky to Peter Brook*. Routledge. • Gloman, C., & Napoli, R. (2013). *Scenic design and lighting techniques: A basic guide for theatre*. Routledge. • Rasmussen, S. E. (1964). Experiencing architecture (Vol. 2). MIT press. • Richardson, P., & Dietrich, L. (2001). XS: Big Ideas in Small-Scale Building. Ed. Lucas Dietrich. Grand Rapids: Universe. • Mollerup, P. (2001). Collapsible: the genius of space-saving design. Chronicle Books. • Alexander, C. (1977). A pattern language: towns, buildings, construction. Oxford university press. • Hertzberger, H. (2005). Lessons for students in architecture(Vol. 1). 010 Publishers. • Awan, N., Schneider, T., & Till, J. (2013). Spatial agency: other ways of doing architecture. Routledge. • King, S., Conley, M., Latimer, B., & Ferrari, D. (1989). Co-design: A process of design participation. New York: Van Nostrand Reinhold. • Sanoff, H. (1990). Participatory design: Theory & techniques. Henry Sanoff. • Pawlyn, Michael. Biomimicry in Architecture. London: RIBA Publishing, 2011. • Hedges, K. E. (2017). Architectural graphic standards. John Wiley & Sons. • Museum for Gestaltung Zurich, Nature Design: From Inspiration to Innovation. Zurich: Lars Muller, 2007. • Şahinler, O., & Kızıl, F. (2004). Mimarlıkta teknik resim. Yapı Endüstri Merkezi.

COURSE WEEKLY SCHEDULE

Weeks	Subjects
1. Week	Introduction to the basic concepts that are to be covered throughout the semester. Exercises on analyzing building circulations.
2. Week	Circulation in the buildings of different functions and their reflections on the mass, plan layout and exterior façade organizations of the buildings. Circulation analysis study. Lecturing, sketch problems and class discussions.
3. Week	Clay work for a solid void organization to design a space flow on a 1/50 scaled clay model. Drawings of plan and sections of the produced model and their renderings. A lecture on vertical circulation and studio sketch problem. In-class discussions on human circulation in space.
4. Week	Announcement of the mid-term design project: An underground living habitat in Cappadocia Region of Turkey. Formation of design teams of 5 to 6 students. Team work for design idea generation, architectural program generation, space solution proposals and initial sketches for the underground space solutions. Instructions on idea generation processes, functional bubble diagrams, and architectural program. Sketch problems and in-class discussions.
5. Week	A week-end visit to Cappadocia. Analysis of the site visit via short films produced by the groups. Production of 2D drawings as drafts for the final condition of the project as a whole. Production of the Clay models in 1/50 scale.
6. Week	Reproduction of the final drawings of the habitat in accordance with the model. Preliminary jury of the mid-term project.
7. Week	Bayram Holiday. Final jury of the mid-term project.
8. Week	Announcement of the final design problem: the interior space organization of a multi-level apartment unit, for an apartment building under construction. Visit to the construction site, after class. Analysis of the site inputs and environmental conditions. 3D examination of the BIM model of the components of the building, and their manipulations.

9. Week	Production of 1/100 drawings for the interior circulation and space configuration solutions. Reviews and critics, reproduction of the 1/100 drawings and reviews and critics.
10. Week	Production of the 1/50 drawings with a working model o the apartment unit.
11. Week	A research for materials to be used in the flat and a color scale for the depicted theme of the unit. Application of these ideas on the 1/50 drawings and model.
12. Week	One to one critics for the final project.
13. Week	One to one critics for the final project. Preliminary jury for the project.
14. Week	One to one critics for the final project.
15. Week	Presentation Preparations
16. Week	Final Jury

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	0	%0
Laboratory	0	%0
Application	5	%15
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%19
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	18	%100
Contribution of Semester Works to Success Points	18	%100
Contribution of Final Project to Success Points		%0
Total	18	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	8	112
Laboratory			
Application	5	8	40
Specific practical training			
Field activities			0
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	3	42
Presentation / Seminar Preparation	3	8	24
Project	2	4	8

Homework assignment	8	3	24
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	34	250

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.		X			
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.		X			
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.		X			
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.	X				
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.		X			
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.		X			
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.		X			

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
GRAPHIC COMMUNICATION II	IAD 104	SPRING	4	0	0	4	5

Prequisites	IAD103
Course Language	English
Course Type	Required
Mode of Delivery	Face to face
Learning and teaching strategies	Studio work, project presentation, research presentation, discussion, lecturing, peer-review
Instructor (s)	Assoc. Prof. Dr. Ece Kumkale Açıkgöz , Assist. Prof. Dr. Merve Şahika Erkan
Course objective	The course objective is to make the students develop an advanced understanding for presentation and communication techniques of design. This understanding includes developing the skills in a variety of methods of design articulation for exploring different design possibilities. The studio works include orthographic and perspectival drawings of spaces, while including rendering and modeling techniques with a variety of thematic focuses. The main aim of the course is to enable students to start thinking with the methods of representation, to think about the relation of "reality" with representation techniques and to raise awareness. In this context, students are introduced with different forms of representations, and they practice these methods. In addition to this, it is aimed that the students will experience representation methods that can be used in the design process.
Learning outcomes	At the end of the course the students will be able to: - Produce orthographic drawings in different scales, with appropriate line-weights - Produce free hand perspectival drawings of 3D objects and spaces - Render orthographic and perspectival drawings with various techniques - Represent form and position via shade, light, texture and color - Determine the point of emphasis in a drawing with rendering techniques - Prepare a fully articulate set of design set: drawings with a stylistic rendering quality and models - The ability to use the tools as an extension of thinking. - The ability to express ideas in analog or digital media with different means of representation. - Present outcomes through display and interaction
Course Content	The course objective is to gain students presentation and communication skills and tools for effectively communicating design concepts at an advanced level. Through a comprehensive exploration of verbal, visual, and multimedia communication methods, students will develop their ability to present their design thought and narrative. Additionally, the course aims to foster critical thinking, and professional development.

References	• Ching, Francis. 1987. *Interior Design illustrated*. New York: Van Nostrand. • Ching, Francis, and Steven P. Juroszek. 1998. *Design Drawing*. New York: Van Nostrand Reinhold. • Ching, Francis. 2009. *Architectural Graphics*. 1975. Reprint. Hoboken, New Jersey: John Wiley & Sons. • Cooper, Douglas. 2001. *Drawing And Perceiving: Life Drawing For Students Of Architecture And Design*. 3rd ed. New York: Wiley, 2001. • Drawing Futures, Laura Allen, Luke Caspar Pearson • AD Drawing Architecture, September 2013 • Erpi, Feyyaz ve Hakan Gürsu. 1986. *Graphic Communication*. Ankara: ODTÜ Yayınları. • Hollis, Richard. 1994. *Graphic Design*. London: Thomas and Hudson ltd. • Hotan, Harbi. 1999. *Mimari Perspektif ve Perspektif Gölge*. İstanbul: YEM Yayın. • Interior Design Illustrated. New York: John Wiley & Sons, 2012. Cohen, Preston Scott. Contested • Manual Of Section, Paul Lewis • Onat, Esen. 1975. *Perspektiv*. İstanbul: İTÜ Yayınları. • Symmetries and Other Predicaments in Architecture. New York: Princeton Architectural Press, 2001. Evans, • Robin. The Projective Cast: Architecture and its Three Geometries. Cambridge: MIT Press, 1995. • Şahinler, Orhan ve Fehmi Kızıl. 2003. *Mimarlıkta Teknik Resim*. İstanbul: YEM Yayın. • Wang, Thomas, C. 1996. *Plan and Section Drawing*. 1979. Reprint. Hoboken, New Jersey: John Wiley & Sons. • Zell, M., Architectural Drawing Course, Barrons Educational Series, 2008

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Sketch exam of a 3D complex object's plan and section drawings.
2. Week	Stair (Calculation and types)
3. Week	Sketch Exam of the Orthogonal Drawing of a space section including a stair (1/50 Scale)
4. Week	Lecture on Perspective Drawing – One-Point Perspective
5. Week	Lecture on Perspective Drawing – Two-Point Perspective
6. Week	One-point Perspective – Interior Space with furniture
7. Week	Lecture on Freehand Perspective
8. Week	Lecture on Rendering of perspective drawings (watercolor, marker)
9. Week	**Mid-term Drawing** Representation of a selected space of the University Campus (plan, section, and one-point perspective with renders)
10. Week	Final Project announcement: A Complete Drawing Set including a detailed model

11. Week	
12. Week	Lecture on the use of AI tools for presentation using Basic 3D modelling tools
13. Week	Workshop on the use of AI tools for design and presentation
14. Week	
15. Week	Preparations for Final Submission
16. Week	Final Jury

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	0	%0
Laboratory	0	%0
Application	11	%35
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%30
Final Exam	1	%35
Total	13	%100
Contribution of Semester Works to Success Points	12	%65
Contribution of Final Project to Success Points	1	%35
Total	13	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	4	56
Laboratory			
Application	11	5	55
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)			
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	1	5	5
Final Exam (Study duration)	1	35	35
Total Workload	27	49	151

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Apprehension (A) or Skill (S) 1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest
1. Develop interdisciplinary design strategies that address complex environmental and social issues.	
2. Create innovative interior designs that adopt universal design principles while balancing historical, technical requirements, and user needs.	
3. Apply environmental, social, and economic sustainability principles in design projects.	
4. Specialize in visual, written, and verbal representation and communication techniques to effectively conduct design processes and convey design concepts.	**B3**
5. Integrate art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.	**B2**
6. Utilize advanced materials and construction technologies innovatively and engage in inter- and intra-disciplinary teamwork.	
7. Act with confidence in the legal and ethical aspects of the profession.	
8. Prioritize risk assessment, occupational health and safety, and user well-being with professional responsibility awareness.	**B1**
9. Engage in critical discussions on the cultural and social significance of interior spaces and adopt a sensitive approach to preserving and sustaining cultural heritage.	
10. Use advanced design tools and artificial intelligence to enhance design processes and outcomes. 11.	**B3**

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
INTRODUCTION TO BUILDING MATERIALS	IAD 132	SPRING	3	0	0	3	5
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecturing, visual presentations, discussions, group works, homework (presentation & written), technical excursions						
Instructor (s)	Assoc. Prof. Dr. Ece Kumkale Açıkgöz						
Course objective	The aim of the course is to convey the logic of structure and construction and their forms of behavior to students.						
Learning outcomes	At the end of the course the students will be able to: • To gain the skills of analyzing the structural systems of existing buildings • To gain the skills of expressing the structural systems and the components of the buildings through various media (drawing, physical and digital models, verbal and written expression) • To gain the skills of expressing the elements of the vertical circulation systems through various media (drawing, physical and digital models, verbal and written expression) • To comprehend the principles of intervention to the components and systems of building construction • Explore the use of materials and structure in specific art and design contexts • Evaluate material properties through research and testing • Select materials for a given art and design project, based on research and testing • Present a material strategy, in response to a brief, for a given art and design project						
Course Content	It is a course in which the concept of building and its processes of formation are discussed, techniques and technologies of building production are introduced, design principles of building components are given and the criteria for intervention to them are elucidated. The						

	analysis, design and construction of building components, components of constructional systems, walls, slabs, suspended ceilings, vertical circulation elements (stairs, ramps, elevators), roofs, windows, doors are studied in this course. It is intended that students use these information in their own design projects by enabling them to investigate examples from both Turkey and abroad.
References	• Yapım ve Malzeme, L.Farrelly, Literatür: Istanbul, 2012 • Building Construction Illustrated, Francis D. K. Ching, John Wiley & Sons, Inc., NY, 2003. • Construction Principles, Materials, and Methods, Leslie Simmons, John Wiley & Sons, NY, 2001. • Elementary Structures for Architects and Builders, Ronald E. Shaeffer, Prentice Hall, New Jersey, 2006. • Fundamentals of Building Construction: Materials and Methods, Edward Allen & Joseph Iano, John Wiley and Sons, New Jersey, 2004. • Yapım, Çetin Türkçü, Birsen Yayınevi, İstanbul, 2004. • Temeller, Duvarlar, Döşemeler, Lemi Yücesoy, Yapı Yayın – 41, İstanbul, 2004. • Çatılar, Nihat Toydemir, Ülger Bulut, Yapı Yayın – 100, İstanbul, 2006.

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Introduction to building materials, material groups. Structural materials: Brick and Stone lecture (origin, history, cultural and local context, examples of interior applications on structural masonry)
2. Week	Matching materials, in-class sketch assignment on the match of materials, Critics based on the key principles of matching different materials in interiors, repetition of in-class sketch exercise
3. Week	Structural materials: Concrete and reinforced concrete lecture (origin, history, cultural and local context, examples of interior applications on structural concrete)
4. Week	Matching materials, in-class sketch assignment on the match of materials, Critics based on the key principles of matching different materials in interiors, repetition of in-class sketch exercise
5. Week	Structural materials: Lecture on structural steel (origin, history, cultural and local context, examples of interior applications on structural steel)
6. Week	Matching materials, in-class sketch assignment on the match of materials, Critics based on the key principles of matching different materials in interiors, repetition of in-class sketch exercise
7. Week	Composite materials lecture (origin, history, cultural and local context, examples of interior applications on composite materials) Lecture on the inspiring examples of material-structure relationship
8. Week	Lecture on Glass and ceramics, Group Work on Glass and ceramics
9. Week	Lecture on Altered Naturals, Lecture on materials of digital fabrication and print
10. Week	Lecture on fabric use in interiors, studio work on fabric use in interiors
11. Week	Lecture on material representation techniques
12. Week	Exercise on matching materials, in-class, a workshop on the appropriate representation of the match of materials on a material board. Critics based on the reflections of key principles of matching different materials in interiors on the material boards. Assignment: researching the appropriate material representations and purchasing them
13. Week	Preparing the revised versions of the material boards in class.
14. Week	Presentations of the final material board of the design course
15. Week	

16. Week	Final submissions of the final material board of the design course

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	14	%5
Laboratory	0	%0
Application	0	%0
Fieldwork	0	%0
Practice	2	%10
Homework Assessment	1	%20
Presentation	2	%5
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%20
Final Exam	1	%40
Total	21	%100
Contribution of Semester Works to Success Points		%60
Contribution of Final Project to Success Points		%40
Total	21	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	3	42
Laboratory			
Application	2	25	50
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)			
Presentation / Seminar Preparation	2	4	8
Project			
Homework assignment	1	10	10
Midterms (Study duration)	1	14	14
Final Exam (Study duration)	1	20	20
Total Workload	21	76	144

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.	X				
4. Specializing in visual, written, and verbal representation and communication techniques to					

effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.	X				
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.	X				
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.	X				
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
VISUAL DESIGN II	FAD 108	SPRING	2	2	0	3	5

Prequisites	None
Course Language	English
Course Type	Required
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Discussion, Question and Answer.
Instructor (s)	Inst. Cem Yılgın
Course objective	
Learning outcomes	At the end of the course the students will be able to: • To learn … •
Course Content	
References	•

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	

2. Week	
3. Week	
4. Week	
5. Week	
6. Week	
7. Week	
8. Week	
9. Week	
10. Week	
11. Week	
12. Week	
13. Week	
14. Week	
15. Week	
16. Week	

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	0	%0
Laboratory	0	%0
Application	0	%0
Fieldwork	0	%0
Practice	3	%15
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%30
Final Exam	1	%55
Total	5	%100
Contribution of Semester Works to Success Points	4	%45
Contribution of Final Project to Success Points	1	%55
Total	5	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	16	2	32
Laboratory			
Application	3	6	6
Specific practical training			
Field activities			

Study Hours Out of Class (Preliminary work, reinforcement, etc.)	16	6	96
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	1	6	6
Final Exam (Study duration)	1	6	6
Total Workload	37	26	146

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.			X		
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.			X		

THIRD TERM – FALL

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
DESIGN STUDIO I	IAD 201	SPRING	4	4	0	6	8
Prequisites	IAD 102						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Studio work, project presentation, research presentation, discussion, lecturing, peer-review						
Instructor (s)	Assist. Prof. Dr. Merve Şahika ERKAN, Inst. Dr. Yousef DANESHVAR						
Course objective	The aim of the course is to improve Interior Design students' skills to identify problem, sense, and question, analyze, synthesize, decide and solve, create; to prepare students to projects that have more design problems; to save them skill for three-dimensional thinking and expressing during etude and presentation phases.						
Learning outcomes	At the end of the course the students will be able to: Gain skill to do analyses during the design process. Learn to do synthesis depending on the results of the analyses. Develop alternative solutions as a result of the analyses and synthesis. Gain skill to decide on unique design. Prepare two-dimensional works presents convenient design language. Solve problems of interior spaces that include human-environment relations. Examine specialist area of creative practice within historical and contemporary contexts Develop art and design solutions, through an iterative development process, in response to a given brief Present an art and design solution, including a portfolio of development work, in response to a given brief Evaluate work in relation to an identified area of specialism in the creative industries Present a body of work that includes evidence of development process, as well as final outcomes Assess own process and outcomes, based on reflection and feedback of others						
Course Content	The problem of analyzing an interior space that includes human-environment relations; a working process in which functional relations in design covered and the formation is developed by creative skills.						

References	Abercrombie, S. (1990). Philosophy of Interior Design. Oxford: Westview Ching, F. D. K. (2005). Interior Design Illustrated. NY: John Wiley & Sons. De Chiara, J. And Zelnik, M. (2001). TimeSaver Standards for Interior Design and Space Planning. New York: McGrawHill. Pile, J. F. (2003). Interior Design. NJ: Prentice Hall. De Vido, A. (1996). House Design: Art and Practice. Wiley. Presiser, W.F.E. and Ostroff, E. (1976). Universal Design Handbook. McGraw-Hill.

COURSE WEEKLY SCHEDULE

1. Week	INTRODUCTION: Description of the project topic and information about given defined architectural space.
2. Week	Research about the given topic, Analysıng the given project. Development of design concept, Preparation of conceptual drawings
3. Week	Research about the given topic, Analysıng the given project. Development of design concept, Preparation of conceptual drawings
4. Week	Research about the given topic, Analysıng the given project. Development of design concept, Preparation of conceptual drawings
5. Week	Research about the given topic, Analysıng the given project. Development of design concept, Preparation of conceptual drawings.
6. Week	Material research about the given project and moodboard design
7. Week	Material research about the given project and moodboard design Developing spatial organization scheme by drawings and models, Investigations on material and color.
8. Week	Preparation of 1/100 scaled spatial organization drawings, Investigations on material and color.
9. Week	Preparation of 1/100 scaled spatial organization drawings, Investigations on material and color.
10. Week	Preparation of 1/100 scaled spatial organization drawings, Investigations on material and color.
11. Week	Preparation of 1/50 scaled spatial organization drawings, wet space drawings and furniture detailing drawings, Investigations on material and color.
12. Week	Preparation of 1/50 scaled spatial organization drawings, wet space drawings and furniture detailing drawings, Investigations on material and color.
13. Week	Preparation of 1/50 scaled spatial organization drawings, wet space drawings and furniture detailing drawings, Investigations on material and color.
14. Week	Preparation of 1/50 scaled spatial organization drawings, wet space drawings and furniture detailing drawings, Investigations on material and color.
15. Week	Preparation of final jury presentations by drawings and models
16. Week	Final jury presentations

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	14	%10
Laboratory	0	%0

Application	0	%0
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	10	%20
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Preliminary Jury	1	%30
Final Jury	1	%40
Total	22	%100
Contribution of Semester Works to Success Points	21	%60
Contribution of Final Project to Success Points	1	%40
Total	22	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	8	112
Laboratory			
Application	5	10	50
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation			
Project			
Homework assignment			
Preliminary Jury	2	10	20
Final Jury	1	10	10
Total Workload	36	42	248

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.				x	
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.		X			
3. Applying environmental, social, and economic sustainability principles in design projects.	x				
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.			x		
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.		x			
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.			x		

9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.	x					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.	x					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
HISTORY OF ARCHITECTURE I	IAD 221	FALL	3	0	0	3	5
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face						
Learning and teaching strategies	Lecture, Discussion, Question and Answer, Practice, Exam, Student Presentation, Research Paper.						
Instructor (s)	Assist. Prof. Dr. Ayten Hüma TÜLCE UMAN						
Course objective	The first semester on architectural history covers the structures, sites, events and innovations related to the built-environment up to the industrial revolution. In the scope of the course, the architectural history is handled within its intertwinement to culture that transmits and responds to the conflicts, ideologies, aspirations and traditions of its time. The exposition of how buildings and architectural ideas were formed in specific period and place within cultural, political, and institutional contexts offer a multitude ways of thinking in the production of architecture or knowledge. The course covers not only the European counterparts, but also the related themes in our and other geographies.						
Learning outcomes	At the end of the course the students will be able to: • Understand the architectural works of different civilizations in the historical process. • Gain the ability to critically compare the development of history of architecture. • Learn the terminology of history of architecture. • Form a relationship between historical, social, economic and cultural context and architecture. • Discuss the social, historical and cultural context of key art and design movements, theories and practices • Analyze a specific work of art or design related to own area of specialism • Use primary and secondary research methods to investigate an area of practice, with consideration of research ethics						

	• Present research findings, through written work, visually and orally
Course Content	The course covers the evolution of architectural movements, theories, and structures from the beginning to the industrial revolution. Beginning with the theoretical concepts, starting from what is architectural history, the students explore a wide variety of issues such as formal tendencies and movements with their philosophical underpinnings, theoretical concepts, technology and material, biographical sketches, political and economic parameters, social and cultural influences. Through the study of significant buildings, urban design projects, and cultural contexts, students gain insight into the dynamic interplay between architecture, art, society, culture and technology. The selection of the cases is accomplished regardless to the place of origin, their racial and theological identities in order to cast a wide net over the traditional historical accounts as well as key monuments and iconic structures represented equally profound transformations in the global built-environment. The course covers not only the European counterparts, but also the related themes in our and other geographies. In the context of the course, the issues, embodied in every lecture, are: 1- Material Aspect - construction and technology, decoration, building program, typology, function…. 2- Cultural Aspect - religion and philosophy- rituals, cosmological beliefs… - socio-politic- urban practices, social conditions, ruling authority, daily life, power, patronage, professionalization, role and identity of architect… - economy- methods of trading, economical exchange, technical development… 3- Physical Context - climate, topography, landscape, flora and fauna…
References	• Ching, Francis. D. K. Jarzombek, Mark M. Prakash, Vikramaditya, 2016, "A Global History of Architecture", NJ: Hoboken. • Gombrich, Ernst H., 2009, "The Story of Art", NY: Phaidon. • Ingersoll, Richard. & Kostof, Spiro, 2013, "World Architecture: A Cross-Cultural History", NY: Oxford University Press. • Kostof, Spiro, 1985, "A History of Architecture: Settings and Rituals", NY: Oxford University Press. • Pevsner, Nikolaus, 1982, "An Outline of European Architecture", London: Penguin Books. • Roth, Leland, 2007, "Understanding Architecture: It's Elements, History and Meaning", US: Westview Press. • Watkin, David, 2005, "A History of Western Architecture", London: Laurence King Publishing4.

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
Week	Introduction to the course Presentation of the course outline, methods, objectives and requirements. What is Architectural History? What are the scopes/subjects/tools of Architectural History?
Week	The Origins of Civilization and Design
Week	Mycenaean-Minoan civilization, Greek civilization and architecture, Roman civilization and architecture
Week	Medieval Architecture – Early Christian, Romanesque, Gothic

Week	Renaissance Art and Architecture, Mannerism
Week	Baroque and Rococo
Week	The Architecture of Enlightenment
Week	Mid-term 1
Week	Practice 1: Timeline as a Poster Design
Week	Early Islamic Architecture - Seljukian Architecture
Week	Early Ottoman and Classical Ottoman Architecture
Week	Ottoman Architecture - Ottoman House
Week	The Ottoman Baroque in 18th century
Week	General conclusion and overview of the course
Week	Final Exams Week
Week	Final Exam

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	14	%5
Laboratory	0	%0
Application	0	0
Fieldwork	0	%0
Practice	4	%20
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%30
Final Exam	1	%45
Total	20	%100
Contribution of Semester Works to Success Points	19	%55
Contribution of Final Project to Success Points	1	%45
Total	20	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	3	42
Laboratory			

Application	4	10	40
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	3	42
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	1	15	15
Final Exam (Study duration)	1	15	15
Total Workload	34	46	154

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.	X				
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.		X			
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
ADVANCED COMMUNICATION TECHNIQUES I	IAD 203	FALL	3	0	0	3	5
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecture, Demonstration, Question and Answer, Drill and Practice.						
Instructor (s)	Assoc. Prof. Dr. Ece Kumkale Açıkgöz						
Course objective	The course aims to encourage independent problem-solving and self-directed learning, guiding students with the use of digital tools in design projects.						
Learning outcomes	The students who succeeded in this course; • Develop proficiency in AutoCAD 2D and 3D for architectural drafting and design. • Understand basic and advanced commands for creating, editing, and organizing architectural drawings. • Gain skills in 3D modeling using AutoCAD, 3Ds Max, and visualization tools. • Learn to apply lighting, materials, and camera settings in Corona Renderer for realistic interior visualizations. • Foster self-directed learning and problem-solving in a digital design context.						
Course Content	This course introduces second-year interior architecture students to digital design media, focusing on mastering AutoCAD (2D and 3D), 3Ds Max, and Corona Renderer. The course emphasizes independent problem-solving and self-directed learning, guiding students with the use of digital tools in design projects. By the end of the course, students will be able to create detailed architectural drawings, 3D models, and realistic renderings of interior spaces.						
References	Autodesk. (2024). *AutoCAD 2025 user guide*. Autodesk Help. https://help.autodesk.com/view/ACD/2025/ENU/						

COURSE WEEKLY SCHEDULE	
Weeks	**Subjects**
1. Week	• Introduction to the course: Overview of digital design media in interior architecture. • Introduction to AutoCAD: Interface, navigation, and basic drawing tools. • Commands: Line, polyline, rectangle, circle, arc, and other basic shape tools. • **In-class exercise:** Simple floor plan sketching using learned commands.
2. Week	• Advanced drawing tools: Offset, trim, extend, fillet, and chamfer. • Layer management: Creating and organizing layers, line types, and colors. • Annotation: Adding text, dimensions, and hatching to drawings. • **In-class exercise:** Annotating and detailing architectural drawings.
3. Week	• Section drawings: Techniques for drawing architectural sections in AutoCAD. • Paper space and plotting: Preparing drawings for printing with appropriate scales and layouts. • **Assignment:** Submission of 2D plan and section drawings (Due at the end of Week 3).
4. Week	• Introduction to 3D tools in AutoCAD: Extrude, revolve, sweep, and loft. • Basic 3D shape creation and modification: Working with primitive and complex forms. • **In-class exercise:** Designing simple abstract forms using 3D tools.
5. Week	• Editing and visualizing 3D models: Rotate, move, array, and modify commands. • Rendering in AutoCAD: Basic visualization techniques. • **Assignment**: Submission of abstract 3D designs created in-class and at home (Due at the end of Week 5).
6. Week	• Introduction to 3Ds Max: Interface, navigation, and essential modeling tools. • Starting an interior model: Importing AutoCAD drawings into 3Ds Max. • **In-class exercise:** Basic structure modeling from imported drawings.
7. Week	• Advanced modeling techniques: Creating walls, windows, doors, and interior elements. • Working with splines: Custom shapes for interior architecture elements. • **In-class exercise:** Refining the interior space model.
8. Week	• Further detailing: Modeling furniture, fixtures, and interior features. • **Assignment:** Complete a modeled interior space in 3Ds Max (Due at the end of Week 8).
9. Week	• Application of previous learnings: Students will apply what they have learned to a space they have designed independently. • Introduction to scene organization: Layers, groups, and naming conventions in 3Ds Max. • **In-class exercise:** Structuring the designed space for rendering.
10. Week	• Finalizing the space model: Polishing details and preparing the model for rendering. • **Assignment:** Submission of the completed 3Ds Max model (Due at the end of Week 10).
11. Week	• Introduction to Corona Renderer: Interface and basic settings. • Lighting in Corona: Daylight systems, artificial lights, and backlighting techniques. • **In-class exercise:** Adding and adjusting lights in the 3Ds Max model.

12. Week	• Materials in Corona: Applying ready-made materials and creating custom materials using patterns. • Camera positioning: Adjusting camera settings, lens, and composition for optimal render views. • **In-class exercise:** Setting up materials and camera for rendering.
13. Week	• Rendering techniques: Taking multiple renders of the same scene with different lighting and material settings. • Final rendering: Tips for producing high-quality HD images. • **Assignment:** Submission of multiple HD rendered images of the modeled space (Due at the end of Week 13).
14. Week	• Peer review and critique: Students present their rendered images and receive feedback from classmates and instructor. • **In-class review:** Refining final submissions based on peer feedback.
15. Week	• Project submission and assessment
16. Week	• Final submission: Students submit their fully rendered space with multiple HD images. • **Grading and final feedback.**

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	0	%0
Laboratory	0	%0
Application	0	%0
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	5	%20
Presentation	4	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%40
Final Exam	1	%40
Total	11	%0
Contribution of Semester Works to Success Points	11	%60
Contribution of Final Project to Success Points	1	%40
Total	12	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	15	3	45
Laboratory			
Application			
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	8	2	16
Presentation / Seminar Preparation			
Project			

Homework assignment	5	3	15
Midterms (Study duration)	1	10	15
Final Exam (Study duration)	1	10	10
Total Workload	30	28	101

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.			X		
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.			X		

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
BUILDING AND CONSTRUCTION TECHNIQUES	IAD 253	FALL	1	2	0	2	5

Prequisites	None
Course Language	English
Course Type	Required
Mode of Delivery	Face to face and distance learning (Hybrid)

Learning and teaching strategies	Lecture, Demonstration, Question and Answer, Drill and Practice.
Instructor (s)	
Course objective	The main objective of this course is the study of the building elements like wall, floor and ceilings coverings, and the design of the vertical circulation systems. Especially the details of wall openings, types of windows doors, their detail drawings are produced. Regardinhg the vertical circulation systems, the overall concept of circulation circulation is discussed considering the function and density of use for the studied building. Then rule of tombs for designing a stair is expressed and applied in detailed representations by the students as technical detail drawings.
Learning outcomes	The students who succeeded in this course; Developing the interior façades of the buildings by using the materials and to create the construction details
Course Content	Analyzing the slabs-floor coverings, ceilings, vertical coverings, vertical interior circulation systems: staircases and elevators – core systems, interior building materials
References	Broto and Comerma, Visual Dictionary of Architecture and Construction, Links, Barcelona, 2008. Ching & Adams, Building Construction Illustrated, John Wiley and Suns Inc., New Jersey, 2009. Richard Weston, Materials, Form and Architecture, Laurence King Publishing, London, 2008. Rupp, W, Friedman A, Farrell P., Construction Materials for Interior Design: Principles of Structure and Properties of Materials. Whitney Library of Design, 1989.

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	The vertical circulation systems
2. Week	The vertical circulation systems
3. Week	Investigation the floor covering materials, the raised floor details
4. Week	The vertical circulation systems: Stairs
5. Week	The vertical circulation systems: Special Stairs
6. Week	Application of the floor covering materials, the raised floor details
7. Week	Investigation and application of the ceiling covering materials and the suspended ceiling details
8. Week	Midterm I
9. Week	Investigation of the installation systems, Application of the chimney details
10. Week	The wall covering materials, produce the wall construction details
11. Week	Interior wall structures, covering materials, produce the wall construction details
12. Week	The wall covering materials, produce the wall construction details
13. Week	Presentation of the homeworks
14. Week	Midterm II

15. Week	Preparation for the final
16. Week	Final exam

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	0	%0
Laboratory	0	%0
Application	5	%30
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%40
Final Exam	1	%30
Total	8	%100
Contribution of Semester Works to Success Points	7	%70
Contribution of Final Project to Success Points	1	%30
Total	8	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	16	3	48
Laboratory			
Application	5	8	40
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	3	8	24
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	8	16
Final Exam (Study duration)	1	8	8
Total Workload	27	35	136

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					

3. Applying environmental, social, and economic sustainability principles in design projects.		X			
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.			X		
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.		X			
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.			X		

FOURTH TERM – SPRING

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
DESIGN STUDIO II	IAD 202	SPRING	2	6	0	5	8

Prequisites	IAD 201
Course Language	English
Course Type	Required
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Discussion, Question and Answer.
Instructor (s)	
Course objective	This course aims to give the ability of interior space organization and design of an office; by analyzing user requirements and given space. Analyzing the potentials of the given space, developing a design concept, preparing the spatial organization scheme and researching on office design are expected from the student.
Learning outcomes	The students who have succeeded in this course; Analyze the given office space and its potentials, Develop a concept depending on the user requirements, Develop a spatial organization for office interior design,

	Practice conceptual experiments working with models and drawings, Prepare furniture design and working drawings, Investigate the technical and aesthetical qualities of materials, Develop design, drawing and presentation techniques. Examine specialist area of creative practice within historical and contemporary contexts Develop art and design solutions, through an iterative development process, in response to a given brief Present an art and design solution, including a portfolio of development work, in response to a given brief Evaluate work in relation to an identified area of specialism in the creative industries Present a body of work that includes evidence of development process, as well as final outcomes Assess own process and outcomes, based on reflection and feedback of others.
Course Content	- Investigation the given space and its potentials, - Analysis of the current layout by sketch and modelling works, - Definition of spatial and functional requirements, - Development of a design concept for the project by researches and group discussions, - Development of design idea/concept by sketching and modelling, - Preperation of an office interior and working drawings by 1/100, 1/50, 1/20, 1/10 and 1/5 scale drawings. - Preperation of final jury presentations by models and hand-drawings/digital media.
References	Interior Spaces: Space, Light, Material / ed. C. Schittich, Munchen: Edition detail, 2002. Time-Saver Standards for Interior Design and Space Planning /ed. J. De Chiara, J. Panero, M. Zelnik, New York: Mc Graw-Hill, 2001. Interior Space: Permanent and Temporary Exhibition, Seoul Korea: Archiworld, 2007. The Architecture of Sound: Designing Places of Assembly / P. Lord, D. Templeton, London: Architectural Press, 1996. Human Dimension & Interior Space: A Source Book of Design Reference Standards/ J. Panero & M. Zelnik Office Design / Peter B. Brant, 1992. The European Office: Office Design & National Context / Juriaan Van Meel, 2000. Office Design and Design Desk Reference / James E. Rappoport & Robert F. Cushman, 1992.

COURSE WEEKLY SCHEDULE	
Weeks	Subjects
Week	INTRODUCTION: Description of the project and information about the given office space, Site visit.
Week	Decision of the architectural space from given options, Definition of user/client profile, development of using scenario, preparation of the spatial program, Model making.
Week	SKETCH PROBLEM 1, Development of design concept, Preparation of conceptual drawings and models.
Week	Development of design concept, preparation of conceptual sketches and models.
Week	Development of design concept, preparation of conceptual sketches and models.
Week	1st PRELIMINARY JURY, Developing spatial organization scheme by drawings and models, investigations on material and color.

Week	Preparation of 1/100 and 1/50 scaled spatial organization drawings, Investigations on material, color and lighting.
Week	Preparation of 1/100 and 1/50 scaled spatial organization drawings, Investigations on material, color and lighting.
Week	Preparation of 1/100 and 1/50 scaled spatial organization drawings, 1/20, 1/10 and 1/5 scaled furniture details and working drawings. Investigations on material, color and lighting.
Week	2nd PRELIMINARY JURY, Preparation of 1/100 and 1/50 scaled spatial organization drawings, 1/20, 1/10 and 1/5 scaled furniture details and working drawings. Investigations on material, color and lighting.
Week	Preparation of 1/100 and 1/50 scaled spatial organization drawings, 1/20, 1/10 and 1/5 scaled furniture details and working drawings. Investigations on material, color and lighting.
Week	2nd PRELIMINARY JURY, Preparation of 1/100 and 1/50 scaled spatial organization drawings, 1/20, 1/10 and 1/5 scaled furniture details and working drawings. Investigations on material, color and lighting.
Week	1/20, 1/10 and 1/5 scaled furniture details and working drawings. Investigations on material, color and lighting.
Week	Preparation of the final jury presentations by drawings and models.
Week	Preparation of the final jury presentations by drawings and models.
Week	Final Jury

ASSESSMENT METHOD		
Semester Works	Number	Contribution
Attendance	14	%10
Laboratory	0	%0
Application	5	%10
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%40
Final Exam	1	%40
Total	22	%100
Contribution of Semester Works to Success Points	21	%60
Contribution of Final Project to Success Points	1	%40
Total	22	%100

WORKLOAD AND ECTS CALCULATION			
Course Duration (x14)	14	8	112
Laboratory			
Application	5	10	50
Specific practical training			
Field activities			

Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	10	20
Final Exam (Study duration)	1	10	10
Total Workload	36	42	248

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
Developing interdisciplinary design strategies that address complex environmental and societal problems.		X			
Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.				X	
Applying environmental, social, and economic sustainability principles in design projects.					
Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.		X			
Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.		X			
Acting confidently in the legal and ethical dimensions of the profession.					
Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.			X		
Using advanced design tools and artificial intelligence to improve design processes and outcomes.			X		

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
HISTORY OF ARCHITECTURE II	IAD 222	SPRING	3	0	0	3	5
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face						
Learning and teaching strategies	Lecture, Discussion, Question and Answer, Practice, Exam, Student Presentation, Research Paper.						

Instructor (s)	Assist. Prof. Dr. Ayten Hüma Tülce Uman
Course objective	The second semester on architectural history course survey the evolution of structures, movements, concepts and mottos in the scope of modern architecture. The time period of this course covers the precursors of modern architecture in the 19th century to the 1980s.1 The course begins with a conceptual discussion of modern notions such as "modern, modernity, and modernism", and then focus on the industrial revolution and movements of modern architecture. In the scope of the course, the architectural history is handled within its intertwinement to culture that transmits and responds to the conflicts, ideologies, aspirations and traditions of the zeitgeist. The exposition of how buildings and architectural ideas were formed in specific time and place within cultural, political, and institutional contexts offer a multitude ways of thinking in the production of architecture or knowledge. Through in-depth study and analysis of influential architects, styles, and cultural contexts, students will gain insights into the social, technological, and ideological forces that have shaped the built environment. By examining modern architecture with its totality, students will develop critical thinking skills and explore the multi-layered interplay between architecture, art, culture, politics and history. 1 ICOMOS and DOCOMOMO identify the beginning and end of modern architecture as bookending the 19th and 20th centuries, and expand it to include architecture that has an innovative design, material, technology, or which creates social improvement.
Learning outcomes	At the end of the course the students will be able to: Understand the iconic and other architectural works of diverse geographies in the historical process Gain the ability to critically compare the development of history of architecture Introduce the movements, ideas, design concepts, and texts of modern architecture Learn the terminology and concepts related with history of architecture and modern architecture Form a relationship between historical, social, economic and cultural context and architecture Discuss the social, historical and cultural context of key art and design movements, theories and practices Analyze a specific work of art or design related to own area of specialism Use primary and secondary research methods to investigate an area of practice, with consideration of research ethics Learn to read and discuss texts critically Present research findings, through written work, visually and orally
Course Content	The course covers the evolution of architectural movements, theories, and structures from the industrial revolution to the 1980s. Beginning with the theoretical concepts (modern/ modernity/ modernism) related with modern architecture, the students explore a wide variety of issues such as formal tendencies and movements with their philosophical underpinnings, theoretical concepts, technology and material, biographical sketches, political and economic parameters, social and cultural influences. Through the study of significant buildings, urban design projects, and cultural contexts, students gain insight into the dynamic interplay between architecture, art, society, culture and technology. The selection of the cases is accomplished regardless to the place of origin, their racial and theological identities in order to cast a wide net over the traditional historical accounts as well as key monuments and iconic structures represented equally profound transformations in the global built-environment.
References	Ching, Francis. D. K. Jarzombek, Mark M. Prakash, Vikramaditya, 2016, "A Global History of Architecture", NJ: Hoboken. Gombrich, Ernst H., 2009, "The Story of Art", NY: Phaidon. Ingersoll, Richard. & Kostof, Spiro, 2013, "World Architecture: A Cross-Cultural History", NY: Oxford University Press. Kostof, Spiro, 1985, "A History of Architecture: Settings and Rituals", NY: Oxford University Press. Pevsner, Nikolaus, 1982, "An Outline of European Architecture", London: Penguin Books. Roth, Leland, 2007, "Understanding Architecture: It's Elements, History and Meaning", US: Westview Press. Watkin, David, 2005, "A History of Western Architecture", London: Laurence King Publishing4.

	Pevsner, Nikolaus, 1986), "Pioneers of Modern Design", London: Penguin Books. Curtis, William, 1996, "Modern Architecture Since 1900", London: Phaidon Press. Frampton, Kenneth, 2007), "Modern Architecture: A Critical History", London: Thames & Hudson. Watkin, David, 2005, "A History of Western Architecture", London: Laurence King Publishing.

COURSE WEEKLY SCHEDULE	
Weeks	Subjects
1. Week	Introduction to the course Presentation of the course outline, methods, objectives and requirements.
2. Week	The Age of the Machine Industrialization, Industrial Building and Industrial Model Towns
3. Week	The Age of the Machine Industrialization, Industrial Building and Industrial Model Towns
4. Week	Break with the Past The Chicago School. Prairie House.
5. Week	Break with the Past Art Nouveau. Arts and Crafts and Secession.
6. Week	Modern before Wars Deutscher Werkbund. Futurism. Project: Futurist Product
7. Week	Mid-term 1
8. Week	Modern between Wars Walter Gropius. German Expressionism. The Bauhaus.
9. Week	Modern between Wars Le Corbusier. Ludwig Mies van der Rohe.
10. Week	The International Style The Expansion of Modern Architecture - To England and Scandinavia
11. Week	Buckminster Fuller. Philip Johnson. Louis Kahn.
12. Week	Postmodern Architecture Contemporary Architecture: Framing the Present Hi-Tech. Deconstructivism.
13. Week	Modern Architecture in Turkey Student Presentations
14. Week	Modern Architecture in Turkey Student Presentations
15. Week	General conclusion and overview of the course
16. Week	Final Exam

ASSESSMENT METHOD		
Semester Works	Number	Contribution
Attendance	0	%0
Laboratory	0	%0
Application	0	%0
Fieldwork	0	%0
Practice	3	%25
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%30
Final Exam	1	%45
Total	5	%100
Contribution of Semester Works to Success Points	4	%55
Contribution of Final Project to Success Points	1	%45
Total	5	%100

WORKLOAD AND ECTS CALCULATION			
Course Duration (x14)	14	3	42
Laboratory			
Application	3	10	30
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	3	42
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	1	20	20
Final Exam (Study duration)	1	20	20
Total Workload	33	46	154

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.		X			
3. Applying environmental, social, and economic sustainability principles in design projects.					

4.	Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5.	Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6.	Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7.	Acting confidently in the legal and ethical dimensions of the profession.					
8.	Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9.	Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.				X	
10.	Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
ENVIRONMENTAL CONTROL I	IAD 254	SPRING	3	0	0	3	5
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Studio work, project presentation, research presentation, discussion, lecturing, peer-review						
Instructor (s)	Asst. Prof. Merve Şahika ERKAN						
Course objective	At the end of this course, students are expected to have knowledge of all kinds of installations in the architectural structure. They add technical information to their design knowledge by realising that space design cannot function independently from technical requirements.						
Learning outcomes	At the end of this course, the students; Discuss about structural, mechanical and electrical systems of buildings Discuss the physical environment issues and develop some design ideas to control Connect the relations between physical environment and design Analyse the impact of physical environment on design and designer Explain the importance of physical environment control Evaluate a given brief to identify stakeholder requirements and areas for investigation and research Explore concepts, materials and processes through experimentation and testing						

	Present a body of work that includes evidence of development process, as well as final outcomes Assess own process and outcomes, based on reflection and feedback of others.
Course Content	This course includes lecturing about water, electricity, heating and fire installations with tools such as presentations, videos, as well as drawing the equivalents of the information in practice through project reading and analysis.
References	RAMSEY, Charles,G., SLEEPER, Harold,R., The American Institute of Architects: Architectural Graphic Standards, USA, 1981. NEUFERT, Ernst., Neufert: Yapı Tasarım Bilgisi, Verlag Ullstein GmbH, Frankfurt/Berlin, Germany, 1983. LECHNER, Norbert., Heating, Cooling, Lighting: Design Methods for Architects, John Wiley & Sons Inc. New York, USA., 1991. CHING, Francıs,D.K., İç Mekan Tasarımı - Resimli (Interior Design - Illustrated), Yapı-Endüstri Merkezi, Yapı Yayın - 95, İstanbul, 2004. CHING, Francıs,D.K., ADAMS, Cassandra., Çizimlerle Bina Yapım Rehberi (Building Construction Illustrated), Yapı-Endüstri Merkezi, YEM Yayın - 119, İstanbul, 2008. Anon., Ankara Büyükşehir Belediyesi İmar Yönetmeliği, Fikir ve Sanat Eserleri Kanunu, TMMOB, Mimarlar Odası Ankara Şubesi, Ankara, 1999.

COURSE WEEKLY SCHEDULE

1. Weeks	Introduction of the course
2. Week	Electrical System of the buildings (supply, fuses, inputs and outputs)
3. Week	Electrical System of the buildings (supply, fuses, inputs and outputs)
4. Week	Designing and drawing an electrical project for a kitchen
5. Week	Lighting Systems and Design
6. Week	Water system of the buildings Clean Water Supply, Water heating systems
7. Week	Dirty and waste water Piping, Rain Water Piping
8. Week	Heating systems: Combi, Floor heating and Air Conditioning(HVAC)
9. Week	Midterm exam
10. Week	Fire systems
11. Week	Isolations
12. Week	Naturel Energy sources Energy Efficiency
13. Week	Energy sertifications: Leed, Bream

14. Week	Smart buildings technical systems (heating, lighting, security systems, etc.)
15. Week	Elevators and Escalators Summary of course, preparation for final exam
16. Week	Final exam

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	1	%10
Laboratory	0	%0
Application	0	%
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	2	%20
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%30
Final Exam	1	%40
Total	16	%100
Contribution of Semester Works to Success Points	15	%50
Contribution of Final Project to Success Points	1	%50
Total	16	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	14	3	42
Laboratory			
Application	3	4	12
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	4	12
Project	2	4	8
Homework assignment	8	4	32
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	44	23	162

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.		X			
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.			x		
4. Specializing in visual, written, and verbal representation and communication techniques to					

	effectively manage design processes and convey design concepts.					
5.	Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.			x		
6.	Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7.	Acting confidently in the legal and ethical dimensions of the profession.					
8.	Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					x
9.	Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10.	Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
BUILDING SURVEYING TECHNIQUES	IAD 242	SPRING	3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Required
Mode of Delivery	Face to face
Learning and teaching strategies	Lecture, Discussion, Question and Answer, Practice, Fieldwork, Project.
Instructor (s)	Asst. Prof. Dr. Ayten Hüma TÜLCE UMAN
Course objective	With this course, it is aimed to introduce basic information about historic building survey and surveying techniques; to gain the awareness on historic buildings while analyzing, examining and interpreting their values, conservation phases while focusing on building survey, conservation concepts and approaches, the conservation practice in Turkey and international arena; and to make practices in this regard.
Learning outcomes	At the end of the course the students will be able to: Learn conservation values and criteria Record and analyse heritage sites and historic settlements Understand how social, historical, political and/or economic factors affect the heritage conservation Understand the phases of conservation project and its techniques Learn and apply building survey techniques

	To make measured drawings by using research, sketch, measurement and photographs
Course Content	The content of the course consists of preliminary research, the place of documentation and photography in building survey, conventional and advanced measurement methods, drawing techniques, as well as basic approaches in recognizing, interpreting and examining the historical structure, values to be preserved and evaluation criteria, preliminary work before restoration, surveying , preparation of restitution and restoration projects, factors causing deterioration in cultural assets, restoration techniques, reuse potentials of historical buildings, different approaches in interior arrangements and conservation practice in Turkey constitute the content of the course. A historical building is examined and its building survey within a complete drawing set is finalized with the final project.
References	Ahunbay, Z. Tarihi Çevre Koruma ve Restorasyon, İstanbul, YEM Yayınevi, 1996. Çamlıbel, N. Mimarlar için Ölçme Bilgisi: Rölöve Ölçmeleri, İstanbul, 1999. Uluengin, M. B. Rölöve, İstanbul, 2002. Watt, D. ve Swallow, P., Surveying Historic Buildings, Donhead Publishing, Trowbridge 1996. Ahunbay, Z., Tarihi Çevre Koruma ve Restorasyon, İstanbul, 1996, s.60-88. Ahunbay, Z., Kültür Mirasıı Koruma İlke ve Teknikleri, İstanbul, 2019 Anon, Preserving and Restoring Monuments and Historic Buildings, UNESCO, Paris, 1972 Handbook of research on emerging technologies for architectural and archaeological heritage, Hershey, Pennsylvania: IGI Global, [2017] Stefano Brusaporci, (ed.), Handbook of research on emerging digital tools for architectural surveying, modeling, and representation, Hershey, Pennsylvania: IGI Global, [2015] Swallow, P.-.., Measurement and recording of historic buildings, Shaftesbury : Donhead, 2004 Oxley, Richard, Survey and repair of traditional buildings : a sustainable approach Shaftesbury, Dorset : Donhead, 2003 Uluengin, B. (2002). "Rölöve", YEM Yayın, İstanbul. Altınoluk, Ü. (1998), " Binaların Yeniden Kullanımı" , YEM Yayın, İstanbul. Madran, E. ve Özgönül, N. (2005), "Kültürel ve Doğal Değerlerin Korunması," Mimarlar Odası, Ankara. Jukka Jokilehto. A History of Architectural Conservation. Oxford: Butterworth Heinemann, 1999. Werner Schmid and François LeBlanc.Recording, Documentation, and Information Management for the Conservation of Heritage Places. Los Angeles: The Getty Conservation Institute, 2007.

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Introduction to the course Presentation of the course outline, methods, objectives and requirements. Urban Environment, Architecture and Conservation.
2. Week	The Theoretical Basis of Conservation, Conservation Values, Basic Approaches in Examining the Historic Building
3. Week	Conservation Concepts and Approaches: Consolidation, Integration, Adaptive Reuse, Addition, Reconstruction, Repair, Removal
4. Week	Conservation Concepts and Approaches: Consolidation, Integration, Adaptive Reuse, Addition, Reconstruction, Repair, Removal Student Presentations 1- Conservation concepts
5. Week	Student Presentations 1- Conservation concepts
6. Week	Legal and Ethical Framework: National and International Documents, Charters and Organizations

7. Week	Mid-term 1
8. Week	Preliminary Research before Conservation Project: Historical Research, Technical Research, Legal Research Introduction to the Phases of Conservation Project: Building Survey, Restitution, Restoration
9. Week	Introduction to Building Survey: History, Building Survey Field Work, Building Survey Drawings
10. Week	Field Work in Ankara: Sketches & Scaled Drawings
11. Week	FINAL PROJECT: Field Work Examining, measuring, photographing and surveying the selected building and its surroundings
12. Week	FINAL PROJECT: Building Analysis Poster Scaled Drawing Set: Plan, Section, Elevation and Detail Drawings
13. Week	FINAL PROJECT: Scaled Drawing Set: Plan, Section, Elevation and Detail Drawings
14. Week	FINAL PROJECT: Scaled Drawing Set: Plan, Section, Elevation and Detail Drawings
15. Week	General conclusion and overview of the course
16. Week	Final Exam

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	0	%0
Laboratory	0	%0
Application	4	%25
Fieldwork	0	%0
Practice	1	%10
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%25
Final Exam	1	%40
Total	7	%100
Contribution of Semester Works to Success Points	6	%60
Contribution of Final Project to Success Points	1	%40
Total	7	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	16	3	48
Laboratory			
Application	4	10	40
Specific practical training			
Field activities			

Study Hours Out of Class (Preliminary work, reinforcement, etc.)	4	10	40
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	1	20	20
Final Exam (Study duration)	1	12	12
Total Workload	26	45	160

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.		X			
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.	X				
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.	X				
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.		X			

FIFTH TERM – FALL

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
DESIGN STUDIO III	IAD 301	FALL	2	6	0	5	8
Prequisites	IAD 202						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face and distance learning (Hybrid)						

Learning and teaching strategies	Lecture, Discussion, Question and Answer, Problem Solving, Project Design/Management.
Instructor (s)	
Course objective	To draw appropriate project according to user properties and design language in the given subject. This course aims at developing design skills by multi-functional solutions, perceptual, aesthetic and conceptual methods.
Learning outcomes	At the end of this course, the students; Discuss about structural,mechanical and electrical systems of buildings Discuss the physical environment issues and develop some design ideas to control Connect the relations between physical environment and design Analyse the impact of physical environment on design and designer Explain the importance of physical environment control Examine specialist area of creative practice within historical and contemporary contexts Develop art and design solutions, through an iterative development process, in response to a given brief Present an art and design solution, including a portfolio of development work, in response to a given brief Evaluate work in relation to an identified area of specialism in the creative industries
Course Content	
References	RAMSEY, Charles,G., SLEEPER, Harold,R., The American Institute of Architects: Architectural Graphic Standards, USA, 1981. NEUFERT, Ernst., Neufert: Yapı Tasarım Bilgisi, Verlag Ullstein GmbH, Frankfurt/Berlin, Germany, 1983. LECHNER, Norbert., Heating, Cooling, Lighting: Design Methods for Architects, John Wiley & Sons Inc. New York, USA., 1991. CHING, Francıs,D.K., İç Mekan Tasarımı - Resimli (Interior Design - Illustrated), Yapı-Endüstri Merkezi, Yapı Yayın - 95, İstanbul, 2004. CHING, Francıs,D.K., ADAMS, Cassandra., Çizimlerle Bina Yapım Rehberi (Building Construction Illustrated), Yapı-Endüstri Merkezi, YEM Yayın - 119, İstanbul, 2008. Anon., Ankara Büyükşehir Belediyesi İmar Yönetmeliği, Fikir ve Sanat Eserleri Kanunu, TMMOB, Mimarlar Odası Ankara Şubesi, Ankara, 1999.

COURSE WEEKLY SCHEDULE

Weeks	Subjects
Week	
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ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	14	8	112
Laboratory			
Application	3	5	15
Specific practical training			
Field activities	2	3	6
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX					
Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.			X		
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.				X	
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.			X		
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.			X		
7. Acting confidently in the legal and ethical dimensions of the profession.	X				
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.		X			
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.			X		

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
DETAIL STUDIO I	IAD 351	FALL	3	2	0	4	7
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecture, Discussion, Question and Answer, Problem Solving, Project Design/Management.						

Instructor (s)	Inst. Ekrem Çağrı DURMUŞ
Course objective	To draw appropriate project according to user properties and design language in the given subject. This course aims at developing design skills by multi-functional solutions, perceptual, aesthetic and conceptual methods.
Learning outcomes	The students who succeeded in this course; • To develop creative solutions within the concept in the project, • To analyze spatial components for the design language, • To develop research abilities given subject, • To design corporate identity, • To develop knowledge on detailing, materials and visual presentation techniques. • Examine specialist area of creative practice within historical and contemporary contexts • Develop art and design solutions, through an iterative development process, in response to a given brief • Present an art and design solution, including a portfolio of development work, in response to a given brief • Evaluate work in relation to an identified area of specialism in the creative industries.
Course Content	Developing design solutions within corporate identity, moderately complex plan and circulation; works aimed to to draw appropriate project according to user properties and design language in the given subject, to develop design skills by multi-functional solutions, perceptual, aesthetic and conceptual methods.
References	Ashcroft, R. (2013). Construction for Interior Designers. Routledge. Binggeli, C. (2003). Building systems for interior designers. John Wiley & Sons. Katsigris, Costas. (2009) Design and Equipment for Restaurants and Foodservices. New Jersey: John Wiley & Sons. Inc. Kilmer, W. O., & Kilmer, R. (2009). Construction drawings and details for interiors: Basic skills. John Wiley & Sons. Lawson, Fred. (1994) Restaurants Clubs and Bars. London: Architectural Press. Woolley, L., & Fox, G. (1990). Sanitation details. International Thomson Business Pub.

COURSE WEEKLY SCHEDULE

Weeks	Subjects
1. Week	Introduction to course and discussions on the syllabus
2. Week	Presentation of the research and concept
3. Week	Wet Area Design - Plan
4. Week	Wet Area Design, Plan, Material knowledge
5. Week	Wet Area Design, Wall, Ceiling
6. Week	Wet Area Design - Section, Wall, Ceiling
7. Week	1/20 plans, sections/elevations, reflected ceiling plans
8. Week	Last Critics

9. Week	Midterm Submission
10. Week	1 Floor building design: 1/20 plans, sections/elevations, reflected ceiling plans,
11. Week	1 Floor building design: 1/20 plans, sections/elevations, reflected ceiling plans,
12. Week	1 Floor building design: 1/20 plans, sections/elevations, reflected ceiling plans,
13. Week	1 Floor building design: 1/20 plans, sections/elevations, reflected ceiling plans,
14. Week	1/10 wall details, junction and connection detail
15. Week	Studio critics
16. Week	Final Submission

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	14	8	112
Laboratory			
Application	3	5	15
Specific practical training			
Field activities	2	3	6
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX					
Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.		X			
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.			X		
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.		X			
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.			X		
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.			X		
7. Acting confidently in the legal and ethical dimensions of the profession.		X			
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.		X			
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.		X			

SIXTH TERM – SPRING

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
DESIGN STUDIO IV	IAD 302	SPRING	2	6	0	5	8

Prequisites	IAD 301
Course Language	English
Course Type	Required
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Practical
Instructor (s)	
Course objective	To draw appropriate project according to user properties and design language in the given subject. This course aims at developing design skills by multi-functional solutions, perceptual, aesthetic and conceptual methods.
Learning outcomes	At the end of this course, the students; Discuss about structural,mechanical and electrical systems of buildings Discuss the physical environment issues and develop some design ideas to control Connect the relations between physical environment and design Analyse the impact of physical environment on design and designer Explain the importance of physical environment control Examine specialist area of creative practice within historical and contemporary contexts Develop art and design solutions, through an iterative development process, in response to a given brief Present an art and design solution, including a portfolio of development work, in response to a given brief Evaluate work in relation to an identified area of specialism in the creative industries
Course Content	
References	RAMSEY, Charles,G., SLEEPER, Harold,R., The American Institute of Architects: Architectural Graphic Standards, USA, 1981. NEUFERT, Ernst., Neufert: Yapı Tasarım Bilgisi, Verlag Ullstein GmbH, Frankfurt/Berlin, Germany, 1983. LECHNER, Norbert., Heating, Cooling, Lighting: Design Methods for Architects, John Wiley & Sons Inc. New York, USA., 1991. CHING, Francıs,D.K., İç Mekan Tasarımı - Resimli (Interior Design - Illustrated), Yapı-Endüstri Merkezi, Yapı Yayın - 95, İstanbul, 2004. CHING, Francıs,D.K., ADAMS, Cassandra., Çizimlerle Bina Yapım Rehberi (Building Construction Illustrated), Yapı-Endüstri Merkezi, YEM Yayın - 119, İstanbul, 2008. Anon., Ankara Büyükşehir Belediyesi İmar Yönetmeliği, Fikir ve Sanat Eserleri Kanunu, TMMOB, Mimarlar Odası Ankara Şubesi, Ankara, 1999.

COURSE WEEKLY SCHEDULE

Weeks	Subjects
Week	
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ASSESSMENT METHOD		
Semester Works	Number	Contribution
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION			
Course Duration (x14)	14	8	112
Laboratory			
Application	3	5	15
Specific practical training			
Field activities	2	3	6
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			

Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.				X	
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.				X	
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.				X	
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.				X	
7. Acting confidently in the legal and ethical dimensions of the profession.		X			
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.			X		
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.				X	

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
DETAIL STUDIO II	IAD 352	FALL	2	2	0	3	5
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face and distance learning (Hybrid)						

Learning and teaching strategies	Lecture, Discussion, Question and Answer, Problem Solving, Project Design/Management.
Instructor (s)	Inst. Ekrem Çağrı DURMUŞ
Course objective	To draw appropriate project according to user properties and design language in the given subject. This course aims at developing design skills by multi-functional solutions, perceptual, aesthetic and conceptual methods.
Learning outcomes	The students who succeeded in this course; • To develop creative solutions within the concept in the project, • To analyze spatial components for the design language, • To develop research abilities given subject, • To design corporate identity, • To develop knowledge on detailing, materials and visual presentation techniques. • Examine specialist area of creative practice within historical and contemporary contexts • Develop art and design solutions, through an iterative development process, in response to a given brief • Present an art and design solution, including a portfolio of development work, in response to a given brief • Evaluate work in relation to an identified area of specialism in the creative industries.
Course Content	Developing design solutions within corporate identity, moderately complex plan and circulation; works aimed to to draw appropriate project according to user properties and design language in the given subject, to develop design skills by multi-functional solutions, perceptual, aesthetic and conceptual methods.
References	• Katsigris, Costas. (2009) Design and Equipment for Restaurants and Foodservices. New Jersey: John Wiley & Sons. Inc. • Lawson, Fred. (1994) Restaurants Clubs and Bars. London: Architectural Press. Okay, Aydemir. (2000) Kurum Kimliği, Ankara: Media Cat Yay.

COURSE WEEKLY SCHEDULE

Weeks	Subjects
1. Week	Introduction to course and discussions on the syllabus
2. Week	Presentation of the research and concept
3. Week	1. Step: 1/100 site plan
4. Week	2. Step: 1/50 plans, sections/elevation of Water Service,Sanitary Arrangement
5. Week	2. Step: 1/50 plans, sections/elevations
6. Week	2. Step: 1/50 plans, sections/elevations
7. Week	2. Step: 1/50 plans, sections/elevations, reflected ceiling plans, perspectives
8. Week	2. Step: 1/50 plans, sections/elevations, reflected ceiling plans, perspectives

9. Week	Pre-Jury
10. Week	2. Step: 1/50 plans, sections/elevations, reflected ceeling plans, perspectives
11. Week	3. Step: 1/20 partial plan, sections/elevations, perspectives
12. Week	3. Step: 1/20 partial plan, sections/elevations, perspectives
13. Week	3. Step: 1/20 partial plan, sections/elevations, perspectives
14. Week	4. Step: 1/10 furniture plan, sections/elevations, perspectives, details
15. Week	Studio critics
16. Week	Final Jury

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	14	8	112
Laboratory			
Application	3	5	15
Specific practical training			
Field activities	2	3	6
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX					
Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.		X			
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.			X		
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.		X			
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.			X		
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.			X		
7. Acting confidently in the legal and ethical dimensions of the profession.		X			
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.		X			
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.		X			

SEVENTH TERM – FALL

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
DESIGN STUDIO	IAD 401	FALL	4	4	0	6	8
Prerequisites	IAD 302						
Course Language	English						
Course Type	Required						

Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Discussion, Project Design/Management.
Instructor (s)	Assoc. Prof. Dr. Ece KUMKALE AÇIKGÖZ, Inst. M. İlhan KESMEZ
Course objective	This course will focus on the design of a 10-bed obstetrics and neonatal branch hospital. Students will address spatial, functional, and technical challenges typical of a healthcare facility, applying their cumulative design knowledge acquired over the previous years of study. Through a combination of lectures, sketch exams, mini juries, and design critiques, students will develop a comprehensive understanding of the intricate needs of specialized healthcare spaces. The course will involve analysis of hospital regulations set by the Turkish Ministry of Health as well as international standards and regulations exploring unit relationships, daylight optimization, and the creation of healing environments.
Learning outcomes	The students who succeeded in this course are able to handle; • Comprehensive Design Solution: Students will demonstrate the ability to create holistic and cohesive designs for complex programs, synthesizing all design knowledge acquired in previous courses. • Problem-Solving in Healthcare Design: Students will engage with the functional, operational, and spatial needs of a branch hospital, addressing technical requirements specific to obstetrics and neonatal care. • Spatial Relationships & Programmatic Complexity: The project will focus on mastering the relationships between various hospital units such as patient rooms, delivery rooms, consultation spaces, and sterile zones, ensuring compliance with regulatory standards. • Coping with Complex Design Problems: The project solution will require the application of a variety of regulations and constraints for a multilayered solution that answers the requirements of a hospitals design constraints. • Critical Thinking & Design Iteration: Students will learn to critically assess their own design solutions through peer reviews and mini juries, developing self-reliance in addressing design flaws and improving their work iteratively. • Technical Detailing & Documentation: Students will present fully developed hospital plans, including material selections, lighting solutions, and bespoke furniture designs. They will be required to produce detailed technical drawings at scales such as 1/50 and 1/20
Course Content	Healthcare Facility Design Regulations, Facility Management (FM) in Healthcare Facilities, Functional Zoning and Department Relationships, Consultation and Examination Room Design, Labor, Delivery, Recovery, and Postpartum (LDRP) Rooms and Service Requirements, Operating Rooms and Associated Spaces, Heating Ventilation and Airconditioning (HVAC) services, And Sterilization Services, Reception, Waiting Areas, Patient Halls and Daylight Optimization, Furniture Design of the Nurse Desk of the Patient Area
References	1. Facility Guidelines Institute. (2018). *Guidelines for design and construction of hospitals* (2018 edition). Facility Guidelines Institute. https://www.fgiguidelines.org 2. Dalke, H., Little, J., Niemann, E., Camgoz, N., Steadman, G., Hill, S., & Stott, L. (2006). Colour and lighting in hospital design. *Optics & Laser Technology*, *38*(4-6), 343-365. 3. Cetin, C., Ultav, Z. T., & Ballice, G. (2018). The Effects of Interior Design Parameters on the Design Quality of Nurse Stations. *Athens Journal of Architecture*, *4*(2), 149-170.

	4. Jalal, K. J. (2018). *Considerations in Design of Interior Environment of Outpatient Department in Hospitals* (Master's thesis, Eastern Mediterranean University (EMU)-Doğu Akdeniz Üniversitesi (DAÜ)). 5. Salonen, H., Lahtinen, M., Lappalainen, S., Nevala, N., Knibbs, L. D., Morawska, L., & Reijula, K. (2013). Design approaches for promoting beneficial indoor environments in healthcare facilities: A review. *Intelligent Buildings International*, *5*(1), 26-50. 6. Perkins&Will. (n.d.). *Top 10 design trends for hospitals of the future*. https://perkinswill.com/news/top-10-design-trends-for-hospitals-of-the-future/ 7. HDR. (n.d.). *Community hospital trends and lessons*. https://www.hdrinc.com/sites/default/files/2020-09/community-hospital-trends-lessons-hdr_0.pdf

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Course Introduction and Project Briefing Lecture: Overview of project, strategic health planning, a branch hospital and its function Assignment: Hospital branding idea, logo design. Site analysis of the project location, indicating the urban context
2. Week	Healthcare Facility Design Standards Lecture: Turkish and International regulations, a 10-bed obstetrics and neonatal branch hospital units and their spatial interrelations
3. Week	Facility Management (FM) in Healthcare Facilities Lecture: The contents of FM in Healthcare, and its design constraints Topic: Flows of Facilities
4. Week	Functional Zoning and Department Relationships Lecture: Zoning of hospital units and relationships. Topic: Core hospital functions and their spatial links.
5. Week	Consultation and Examination Room Design Lecture: Design standards for the required consultation rooms. Topic: Layout, equipment placement, hygiene standards.
6. Week	Labor, Delivery, Recovery, and Postpartum (LDRP) Rooms and Service Requirements Lecture: Design standards for the required rooms. Topic: Layout, equipment placement, hygiene standards.
7. Week	Operating Rooms and Associated Spaces Lecture: Zoning for ORs, prep rooms, recovery, NICU, PICU. Topic: Functionality of surgical and sterile zones.
8. Week	Heating Ventilation and Airconditioning (HVAC) services, And Sterilization Services Lecture: Zoning for different HVAC requirements, Sterilization unit, its functional and spatial requirements
9. Week	First Interim Jury (1/50 Scale Presentations) Students present 1/50 plans and sections integrating core hospital areas. They will present the site analysis, site plan and flowcharts of the hospital.
10. Week	Reception, Waiting Areas, Patient Halls and Daylight Optimization Lecture: Reception, waiting halls, patient room corridors and nurse station. Maximizing daylight. Topic: Daylight integration and spatial orientation. Artificial lighting solutions.)
11. Week	Interior Space Design for Consultation Rooms and LDRP Areas Lecture: Interior design for consultation rooms and patient areas. Topic: Color, material, lighting, and user comfort.

12. Week	Second Interim Jury (Refined Plans and Interior Design Solutions) Students present revised 1/50 plans and sections with interior design elements (materials, lighting, etc.).
13. Week	Furniture Design of the Nurse Desk of the Patient Area 1/20 production details of a furniture, the function and requirements of the nurse desk.
14. Week	Desk Critiques and Final Refinements Individual desk critiques and preparation for final jury. Feedback on technical details, mood boards, and interior consistency.
15. Week	Final Jury Preparations (Presentation of Complete Project) Presentation of final project including: 1/50 plans, sections, and 1/20 technical details. Hospital branding (logo, brochure, etc.). Custom furniture/lighting solutions. Digital media (video, slideshow).
16. Week	Final Jury

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	8	112
Laboratory			
Application	3	5	15
Specific practical training			
Field activities	2	3	6
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			

Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contribution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					X
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					X
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					X
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					X
7. Acting confidently in the legal and ethical dimensions of the profession.			X		
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.				X	
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					X

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
SUMMER INTERNSHIP (Construction site)	IAD 490	FALL	0	0	0	0	4
Prequisites	None						
Course Language	English						

Course Type	Required
Mode of Delivery	Internship
Learning and teaching strategies	
Instructor (s)	Doç. Dr. Ece Kumkale Açıkgöz
Course objective	The goal of this course is to help students understand how construction sites work. By observing and learning about real-life construction projects, students will gain practical knowledge of building processes, safety rules, and teamwork in the field of interior architecture.
Learning outcomes	By the end of the course, students will be able to: 1. Understand the basic steps of construction projects. 2. Identify key roles and responsibilities on a construction site. 3. Apply safety measures during construction. 4. Observe the process of turning design plans into actual buildings. 5. Understand the connection between design drawings and construction work.
Course Content	• Introduction to construction sites and safety procedures. • Observation of different stages of construction (foundation, structure, finishes, etc.). • Understanding the roles of architects, engineers, and contractors on site. • Learning how design drawings are implemented in real projects. • Regular reporting and reflection on the internship experience.
References	

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Internship on the construction site
2. Week	Internship on the construction site
3. Week	Internship on the construction site
4. Week	Internship on the construction site

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	30	%10
Laboratory	0	%0
Application	0	%0
Fieldwork	30	%40
Practice	0	%0
Homework Assessment	1	%50
Presentation	0	%0
Project	0	%0
Seminar	0	%0

Mid-term Exams	0	%0
Final Exam	0	%0
Total	61	%100
Contribution of Semester Works to Success Points	60	%50
Contribution of Final Project to Success Points	1	%50
Total	61	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)			
Laboratory			
Application			
Specific practical training			
Field activities	30	7	210
Study Hours Out of Class (Preliminary work, reinforcement, etc.)			
Presentation / Seminar Preparation			
Project			
Homework assignment	1	40	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	250

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.				X	
7. Acting confidently in the legal and ethical dimensions of the profession.			X		
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.				X	

9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

EIGHTH TERM – SPRING

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
GRADUATION PROJECT AS PROFFESSIONAL PRACTICE	IAD 402	FALL	0	0	0	0	4

Prequisites	None
Course Language	English
Course Type	Required
Mode of Delivery	Internship
Learning and teaching strategies	Professional practice
Instructor (s)	Assist. Prof. Dr. Merve Şahika Erkan
Course objective	The main objective of this course is to provide students with practical, hands-on experience in a professional architectural or interior design environment. Through active participation in the design office's day-to-day operations, students will: • Observe and understand the workflow and professional dynamics within an architectural or interior design firm. • Engage with real-world design challenges and projects, applying theoretical knowledge in a practical context. • Develop key professional skills such as time management, teamwork, client communication, and project documentation. • Gain exposure to the technical tools, software, and methods used in professional design practices. • Reflect on their own professional development and the application of design principles in practice.
Learning outcomes	By the end of the course, students will be able to: 1. Observe Professional Practice: Understand the structure, culture, and workflow of an architectural or interior design firm, including interactions with clients, consultants, and contractors. 2. Participate in Design Projects: Contribute to ongoing design projects, performing tasks under supervision, such as drafting, modeling, material selection, and documentation. 3. Technical Proficiency: Use professional design software and tools (AutoCAD, Rhino, Revit, SketchUp, etc.) to assist in project development and documentation.

	4. Communication Skills: Communicate design ideas clearly through sketches, presentations, or visual tools, and engage in collaborative work within the design team. 5. Project Understanding: Develop an understanding of the different phases of a project, from concept development and design proposal to execution and site supervision. 6. Ethical and Professional Conduct: Demonstrate ethical behavior, responsibility, and accountability in a professional setting. 7. Critical Reflection: Critically reflect on the practical experiences gained during the internship and relate them to academic knowledge.
Course Content	• Throughout the internship, students will immerse themselves in the daily operations of an architectural or interior design office, gaining practical experience in the professional design environment. They will: • Understand Office Workflow: Students will be introduced to the firm's philosophy, project types, and the overall design process. This includes participating in client meetings, design discussions, and understanding the role of project management within the office. • Engage in Design Projects: Students will contribute to the development of design concepts through sketches, mood boards, and digital tools such as AutoCAD, Rhino, or Revit. They will assist in design documentation, including technical drawings, 3D models, and preparation of project deliverables. • Participate in Project Execution: Students will be involved in material selection, furniture and fixture coordination, and project documentation. They will also assist in coordinating with consultants and contractors, as well as observing construction processes through potential site visits. They will engage in problem-solving and decision-making during the project execution phase. • Reflect and Report: By the end of the internship, students will prepare a detailed report summarizing their contributions and experiences, reflecting on the design process and their professional growth. They will receive feedback from office mentors and present their key takeaways.
References	

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Internship in the design office, Project brief announcement.
2. Week	Internship in the design office Analysing of the given project
3. Week	Internship in the design office Concept development of the given project
4. Week	Internship in the design office Plan and section drawings of the given project (1/100)
5. Week	Internship in the design office Plan and section drawings of the given project (1/100)
6. Week	Internship in the design office Plan and section drawings of the given project (1/50)
7. Week	Internship in the design office Plan and section drawings of the given project (1/50)

8. Week	Internship in the design office Mid-Term Jury for the graduation project.
9. Week	Internship in the design office Plan and section drawings of the given project (1/50) Detail drawings: System drawings, furniture design (1/20)
10. Week	Internship in the design office Plan and section drawings of the given project (1/50) Detail drawings: System drawings, furniture design (1/20)
11. Week	Internship in the design office Plan and section drawings of the given project (1/50) Detail drawings: System drawings, furniture design (1/20)
12. Week	Internship in the design office Detail drawings: System drawings, furniture design (1/20) Digital models of the project
13. Week	Internship in the design office Detail drawings: System drawings, furniture design (1/20) Digital models of the project
14. Week	Internship in the design office Digital models of the project Presentation design
15. Week	Internship in the design office Digital models of the project Presentation design
16. Week	Submission of the internship report and the Jury of the Final Graduation Project the design process of which was conducted with the auspices of the office of internship.

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	30	%10
Laboratory	0	%0
Application	0	%0
Fieldwork	30	%40
Practice	0	%0
Homework Assessment	1	%50
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	61	%100
Contribution of Semester Works to Success Points	60	%50
Contribution of Final Project to Success Points	1	%50
Total	61	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)			
Laboratory			
Application			
Specific practical training			

Field activities	30	7	210
Study Hours Out of Class (Preliminary work, reinforcement, etc.)			
Presentation / Seminar Preparation			
Project			
Homework assignment	1	40	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	250

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					X
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					X
3. Applying environmental, social, and economic sustainability principles in design projects.			x		
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.				x	
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					X
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.				x	
7. Acting confidently in the legal and ethical dimensions of the profession.			X		
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					x
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.				X	
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					X

ELECTIVE COURSES

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
RECREATIONAL SPACE DESIGN	FAD 231	FALL	3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Required
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Demonstration, Question and Answer, Drill and Practice.
Instructor (s)	Asst. Prof. Dr. Merve Şahika ERKAN
Course objective	It is aimed that students learn the basic design criteria for different spaces used for recreation.
Learning outcomes	To have basic knowledge about the concept of recreation - Learning human social behavior skills -Learning the requirements of spaces with different functions -To design the basic design inputs of spaces with different functions and to learn their implementation processes
Course Content	It includes basic information to learn the basic requirements and design inputs of various recreation places such as restaurants, sports centers, hotels, entertainment centers.
References	Projeler Yapılar kitap serisi, Yem yayınları Rekreasyon, Boş Zamani Değerlendirme, Şükran Kilbaş, 2001 Rekreasyon ve Kentlileşme, Suat Karaküçük ve Bülent Gürbüz, 2007 Kent, Mekan, Meydan, Hasan Taşçı, 2014

COURSE WEEKLY SCHEDULE

1. Weeks	Introduction to the course
2. Week	Factors which affects human social behavior
3. Week	Recreation as a concept and its classifications
4. Week	Recreation as a concept and its classifications
5. Week	Recreation as a concept and its classifications
6. Week	Mid Term Exam
7. Week	Outdoor Recreational Spaces (Park, Garden, Square etc.)
8. Week	Outdoor Recreational Spaces (Sport facilities)
9. Week	Indoor Recreational Spaces: Eating and drinking spaces (restaurants, cafes etc.)

10. Week	Indoor Recreational Spaces: Sport facilities
11. Week	Indoor Recreational Spaces: Sport facilities
12. Week	Indoor Recreational Spaces: Cinemas
13. Week	Indoor Recreational Spaces: Performing arts spaces (theatre etc.)
14. Week	Indoor Recreational Spaces: Common areas of hotels
15. Week	Indoor Recreational Spaces: Common areas of hospitals
16. Week	Indoor Recreational Spaces: Common areas of offices
17. Week	Final Exam

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	1	%10
Laboratory	0	%0
Application	0	%0
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	2	%20
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%30
Final Exam	1	%40
Total	6	%100
Contribution of Semester Works to Success Points		%70
Contribution of Final Project to Success Points		%30
Total	6	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	16	3	48
Laboratory			
Application	2	10	20
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	6	10	60
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	10	20
Final Exam (Study duration)	1	12	12
Total Workload	27	45	160

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX					
Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.			X		
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					x
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.		x			
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.			x		
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					x
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
BIM ADVANCES IN INTERIOR ARCHITECTURE	FAD 204	SPRING	3	0	0	3	5
Prerequisites	IAD 203						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecture, Drill and Practice.						
Instructor (s)	Assoc. Prof. Dr. Ece Kumkale Açıkgöz						
Course objective	Aim of the course is two-and three-dimensional architectural design, drawing and presentation techniques in the digital environment.						
Learning outcomes	At the end of the course the students will be able to: • To learn CAD and BIM Softwares and related methods, • To create Traditional Architectural Design Process steps in Digital Environment, • To specialize on Methods and techniques of drawing in Digital Environment • To gain knowledge about 2D and 3D digital media, • To gain knowledge about general Introduction to 3D Modeling techniques • To learn about 3D printing methods, numerical models of physical model transformation techniques. • Discuss the role of CAD in different contexts and its influence on design and manufacturing processes in areas of specialist practice • Use 2D and 3D CAD software to produce visualizations and technical drawings • Present drawings and renderings, for a given project, produced using CAD software • Evaluate the way in which CAD software may integrate into production processes						
Course Content	Basic principles of computer aided design (CAD), a brief history of CAD, definition of common CAD and BIM terms, 2D and 3D architectural design compatible programs. Introduction to presentations options using various multimedia programs. 3D modelling techniques and 3D print options.						
References	• Principles of CAD/CAM/CAE, Kunwoo Lee, 1999. • Expert CAD Management: The Complete Guide, Robert Green, 2007. • Basic CAD for Interior Designers: AutoCAD®, Architectural Desktop, and VIZ Render 2007, Jin Feng, Jiang Lu, 2007. • Digital Culture in Architecture: An Introduction for the Design Professions, Antoine Picon, 2010. • BIM for Building Owners and Developers, K. P. Reddy, 2012. • Creativity Vs. Logic: Parametric Design In The Architectural Realm, Kathy Wong, 2011. • Introducing Revit Architecture 2010: BIM for Beginners, Tatjana Dzambazova , Greg Demchak , Eddy Krygiel, 2009. • BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors / Edition 2,Chuck Eastman, Paul Teicholz, Rafael Sacks, Kathleen Liston, 2011. Digital Architecture Now, Neil Spiller,2009.						

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Introduction to BIM in Interior Architecture, Introduction to the Interface of Revit 2022 Basic adjustments and first application

2. Week	The logic of building sequence and its concordance with the BIM modelling processes Different disciplinary interfaces, the function and processes of collaborative work in BIM for interior architects
3. Week	Building a room in Revit with structural and material aspects Building elements, instance and type parameters
4. Week	Walls and floors with material and physical aspects The role of BIM in calculating the energy efficiency in interior architecture Suspended ceilings
5. Week	Designing a spatial modification with elevated floors, partition walls and suspended ceilings
6. Week	The logic and calculation of curtain walls, their relation with the interior physical and mechanic aspects of the space
7. Week	Transition between different levels and stair drawing tools
8. Week	In place modelling tool, basic modelling methods in in place masses
9. Week	Midterm
10. Week	Introduction to the Conceptual massing environment, basic tools, modelling principles and basic differences from in-place massing tool
11. Week	Families, logic of different families and family creation
12. Week	Parameters and object based parameter creation for computing different aspects of the Projects
13. Week	Scheduling and Project Management basics in Revit
14. Week	Rendering options for Revit models, data interoparebility options and file transferring capabilities for Interior design processes.
15. Week	Preparation for final submission
16. Week	Final submission

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	0	%0
Laboratory	0	%0
Application	1	%15
Fieldwork	1	%4
Practice	0	%0
Homework Assessment	2	%16
Presentation	2	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0

Final Exam	0	%0
Total	8	%100
Contribution of Semester Works to Success Points	7	%60
Contribution of Final Project to Success Points	1	%40
Total	8	%100

WORKLOAD AND ECTS CALCULATION			
Course Duration (x14)	14	4	56
Laboratory			
Application	1	1	1
Specific practical training			
Field activities	1	1	1
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	5	70
Presentation / Seminar Preparation	2	5	10
Project	2	5	10
Homework assignment	2	5	10
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	36	26	158

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.				X	
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					X
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					X

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
ADVANCED MODEL MAKING TECHNIQUES	FAD 300	SPRING	3	0	0	3	5
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face						
Learning and teaching strategies	Lecture, hands-on practices, practical applications, presentations.						
Instructor (s)	Asst. Prof. Dr. Nedim KEMER						
Course objective	The course aims to help students build tangible three-dimensional scaled models of their architectural design elements, i.e., spaces, building masses, and objects.						
Learning outcomes	• Learning new materials and methods of building • Learning manual and practical techniques for bringing different materials together. • Learning simple form casting methods. • Understanding the characteristic specifications of models for different purposes. • Learning to utilize digital mediums in building 3D models. •						
Course Content	• Hands-on practices, applied exercises • Discussions, Presentations, and Critical analysis of other's works •						
References	No reference book is needed.						

COURSE WEEKLY SCHEDULE

Weeks	Subjects
1. Week	Introduction of the Course Method, Material, and Use of Tools and the Studio Space
2. Week	Lecture: Types of Architectural Models
3. Week	Material Types
4. Week	Parts of Models and Building Techniques
5. Week	Forming and Casting Building a Furniture
6. Week	Drawing for Laser Cutting Building a Furniture
7. Week	Building a Furniture

8. Week	MIDTERM
9. Week	Building a Topographic Site Model
10. Week	CAD Drawing for Laser Cutting or 3D Printing
11. Week	Building a massive block with an exposed interior or, Building your design studio's final model
12. Week	Building a massive block with an exposed interior or, Building your design studio's final model
13. Week	Building a massive block with an exposed interior or, Building your design studio's final model
14. Week	Building a massive block with an exposed interior or, Building your design studio's final model
15. Week	
16. Week	Final

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	14	%0
Laboratory		%0
Application		%0
Fieldwork		%0
Practice	10	%10
Homework Assessment	4	%30
Presentation		%0
Project		%0
Seminar		%0
Mid-term Exams	1	%20
Final Exam	1	%40
Total	30	%100
Contribution of Semester Works to Success Points	29	%60
Contribution of Final Project to Success Points	1	%40
Total	30	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	14	3	42
Laboratory			
Application			
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	10	4	40
Presentation / Seminar Preparation			
Project			
Homework assignment	4	5	20

Midterms (Study duration)	1	8	8
Final Exam (Study duration)	1	12	12
Total Workload	30	32	122

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.			X		
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
MODULAR SYSTEMS	FAD 311	FALL	3	0	0	3	4
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecture, Discussion, Question and Answer.						
Instructor (s)							
Course objective	This course is designed for mass production of students in kitchens, open offices, exhibition stands, etc. It includes exercises such as multi-purpose modular systems and to improve their awareness of furniture. Material selection and details used in design are also covered in this course.						
Learning outcomes	At the end of this course, the students; Gain ability to think modular system Create modular system with sketching problems on examples Investigate the existing modular systems Gain ability to create the concept of additionality and reproducibility, and the introduction of materials can be added to the system in accordance with this concept creation and use of these systems-oriented design based on the industry and gain the ability to perform						
Course Content							
References	Francis King D. K. Ching, İç Mimarlık, Architectural Graphics Standarts						

COURSE WEEKLY SCHEDULE

Weeks	Subjects
Week	Introduction to the course and semester introduction to the program
Week	Transfer of Material Transfer modular system
Week	Transfer of Material Transfer modular system
Week	Student research and presentation of materials
Week	Project critiques (1/50)
Week	Project critiques (1/50)
Week	Project critiques (1/50)
Week	Pre-Jury

Week	Project critiques(1/20)
Week	Project critiques(1/20)
Week	Project critiques(1/20)
Week	Project critiques(1/20)
Week	Project critiques(1/20)
Week	Project critiques(1/20)
Week	Preparation for final jury
Week	Final Jury

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	1	%10
Laboratory	0	%0
Application	2	%20
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%40
Final Exam	1	%40
Total	6	%100
Contribution of Semester Works to Success Points		%60
Contribution of Final Project to Success Points		%40
Total	6	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	12	7	84
Laboratory			
Application	2	5	10
Specific practical training			
Field activities	1	4	4
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	15		128
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	8	16
Final Exam (Study duration)	1	8	8
Total Workload	33	32	250

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX					
Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.			X		
3. Applying environmental, social, and economic sustainability principles in design projects.				X	
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.				X	
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
PRODUCTS OF INTERIOR ARCHITECTURE, PRODUCTION FIRMS AND RETAILING	FAD 312		3	3	0	3	4

Prequisites	None
Course Language	English
Course Type	Elective
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Discussion, Question and Answer.
Instructor (s)	
Course objective	The course comprises issues on modes of production for different areas of specialties in interior architecture and environmental design
Learning outcomes	At the end of the course the studnets will be able to: Raw materials and their supply chains as sources of production in interior architecture Identification of different areas of specialities regarding the profession of interior architecture Define the differentiation of specialties and firm capacities at global and local scale Express how the research and technology departments of private frms are founded, developed and supported Express the retailing strategies of local and global firms that serve for the products of interior architecture
Course Content	
References	

COURSE WEEKLY SCHEDULE

Weeks	Subjects
Week	Introduction to marketing
Week	Marketing environment
Week	Consumer Behaviour
Week	Marketing Research
Week	Market Segmentation
Week	Product Management
Week	Price
Week	Price
Week	Midterm
Week	Personal Sales

Week	Distribution
Week	Retailing, Wholesaling
Week	Marketing Management
Week	Strategic Marketing
Week	Preparation to final exam
Week	Final exam

ASSESSMENT METHOD		
Semester Works	Number	Contribution
Attendance	1	%10
Laboratory	0	%0
Application	2	%20
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%40
Final Exam	1	%30
Total	6	%100
Contribution of Semester Works to Success Points		%70
Contribution of Final Project to Success Points		%30
Total	6	%100

WORKLOAD AND ECTS CALCULATION			
Course Duration (x14)	16	3	48
Laboratory			
Application	2	5	10
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	6	3	18
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	6	12
Final Exam (Study duration)	1	12	12
Total Workload	27	31	100

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX					
Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5

1.	Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2.	Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3.	Applying environmental, social, and economic sustainability principles in design projects.			X		
4.	Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5.	Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6.	Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.			X		
7.	Acting confidently in the legal and ethical dimensions of the profession.				X	
8.	Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9.	Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10.	Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
LIGHTING DESIGN	FAD 331	FALL	3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Elective
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Discussion, Question and Answer.
Instructor (s)	Asst. Prof. Dr. Merve Şahika ERKAN
Course objective	The main purpose of the Course is to prepare the theoretical base for the Design Studios. This course addresses human needs and comfort in relation to the artificial lighting as an art and science. Its aim is to acquaint each student with the basic concepts how artificial lighting may be utilized, controlled, and modified as an integral part of interior architectural design.
Learning outcomes	• The students who succeeded in this course; • Learning fundamentals of human needs and comfort in relation to the artificial lighting as an art and science. • Developing basic systems, strategies and concepts how lighting may be utilized, controlled, and modified. • Learning about lighting products and how to develop creative atmospheres by means of lighting techniques. • Develop problem solving skills. • Learning the technical and artistic aspects of artificial lighting and implementation techniques.
Course Content	Preparing the theoretical base for the Design Studios by addressing human needs and comfort in relation to the artificial lighting as an art and science.
References	Bean, R. (2014). Lighting: Interior and exterior. Routledge. Boyce, P. R. (2014). Human factors in lighting. Crc Press. Egan, M. D. (1983). Concepts in architectural lighting. McGraw-Hill Companies Egan, M. D., & Olgyay, V. (2002). Architectural lighting. McGraw-Hill. Illuminating Engineering Society of North America. (2000). Lighting Handbook: Reference & application. Illuminating Engineering. Tregenza, P., & Loe, D. (2013). The design of lighting. Routledge

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Introduction to the course
2. Week	Benefits of the light in the architectural space
3. Week	Natural light and control strategies
4. Week	Natural light and control strategies
5. Week	Artificial lighting and types (sources, directions, function)
6. Week	Artificial lighting and types (sources, directions, function)
7. Week	Midterm

8. Week	Colour of the light
9. Week	Brightness of the light
10. Week	New approaches on lighting; environmental friendly lighting designs
11. Week	Awarded lighting design examples and analysis
12. Week	Lighting design project
13. Week	Lighting design project
14. Week	Lighting design project
15. Week	Final exam

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	1	%10
Laboratory	0	%0
Application	2	%20
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%40
Final Exam	1	%30
Total	6	%100
Contribution of Semester Works to Success Points		%70
Contribution of Final Project to Success Points		%30
Total	6	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	16	3	48
Laboratory			
Application	2	5	10
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	6	3	18
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	6	12
Final Exam (Study duration)	1	12	12

Total Workload	27	29	100

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.		x			
3. Applying environmental, social, and economic sustainability principles in design projects.			x		
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.			x		
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.			X		
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.		x			
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
UNIVERSAL DESIGN PRINCIPLES	FAD 332		3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Elective
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Discussion, Question and Answer.
Instructor (s)	Asst. Prof.Merve Şahika ERKAN
Course objective	The course comprises issues on and principles of universal and inclusive design in the fileld of interior architecture and environmental design
Learning outcomes	At the end of the course the students will be able to: • Students have knowledge about various user types. • Students learn to design according to the characteristics of different users. • Students learn to design according to the different sizes. • Student's awareness increases about making design. • Students learn the norms of universal design.
Course Content	The concept of universal design within the information about the relationship with accesible design and adaptive design; its principles and the effects of these principles to projects created and focused on learning relationship between spatial organization,user sizes and design.
References	Giuliani, R. W. (2001). Universal design: New York. New York: Mayor Publication. Kennig, B. & Ryhl, C. (2002). AAoutils: Teaching universal design. Story, M. S. (1998). Maximizing usability: the principles of Universal Design. Assistive Technology, 10, 4-12. The Center for Universal Design. (1997). Principles of Universal Design. NC State University. Welch, P., & Jones, S. (2001). Advances in universal design education in the United States. In W. F. E. Presier and E. Ostroff, (Ed.) Universal Design Handbook (pp. 51.1-51.24). New York: McGraw-Hill. Hacıhasanoğlu, I. (2003). Evrensel Tasarım. Tasarım kuram, 3/6. Dostoğlu, N., Şahin, E. & Taneli, Y. (2009). Tasarıma Kapsayıcı Yaklaşım: Herkes için tasarım. Mimarlık Dergisi, 361.

COURSE WEEKLY SCHEDULE	
1. Weeks	General information on the course content
2. Week	The concept of universal design, types of disabilities and their needs
3. Week	Accessible and adaptable design
4. Week	Universal design principles and spatial affects
5. Week	Equitable use and spatial affects
6. Week	Flexibility in use and spatial affects
7. Week	Simple and intuitive to use and spatial affects
8. Week	Perceptible information and spatial affects
9. Week	Mid-term

10. Week	Tolerance for Error and spatial affects
11. Week	Low physical effort and spatial affects
12. Week	Size and space for approach and use and its spatial affects
13. Week	House project for two disabled person (definition of disability types and general needs)
14. Week	House project for two disabled person (Wet space design)
15. Week	House project for two disabled person (Detail solutions)
16. Week	Final exam

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	10	%10
Laboratory	0	%0
Application	2	%10
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%30
Final Exam	1	%40
Total	6	%100
Contribution of Semester Works to Success Points		%70
Contribution of Final Project to Success Points		%30
Total	6	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	16	3	48
Laboratory			
Application	2	5	10
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	6	3	18
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	6	12
Final Exam (Study duration)	1	12	12
Total Workload	27	31	100

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.				X	
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					X
3. Applying environmental, social, and economic sustainability principles in design projects.			x		
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.			x		
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.				x	
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
ENVIRONMENTAL PSYCHOLOGY	IAD.333	FALL	1	2	0	2	4
Prequisites	None						
Course Language	English						
Course Type	Required						
Mode of Delivery	Face to face learning						
Learning and teaching strategies	Lecture, Discussion, Question and Answer.						
Instructor (s)	Assist. Prof. Dr. Merve Şahika Erkan						
Course objective	The course comprises issues on people environment relations in regard to architectural planning and social disciplines.						
Learning outcomes	● To identify person and environment behavioral models ● To create awareness about the built environment, to improve the quality of life, to be conscious on sustainability ● To define settlement culture at global and local scale ● To create awareness about cultural identity, settlement culture and to express himself at professional medium ● To define people-environment relationship at the built environment from urban planning scale to the room scale						
Course Content							

References	● C.G.Jung, "İnsan ve Sembolleri", Okuyan Us Yayınevi, ISBN:978-975-6287-73-X, İstanbul, 2007. ● D.Kopec, "Environmental Psychology for Design", Fairchild Pub., ISBN-10: 978156367 42 42, 2006. ● C.Alexander, "A Pattern Language:Towns, Buildings, Construction", Cess Center for Environmental, Oxford University Press, ISBN-10:0195019199, 1977. ● Ittelson, Proshansky, Rivling ve Winkel. 1974 An Inroduction To Enviromental Psychology, New york

COURSE WEEKLY SCHEDULE

Weeks	Subjects
1. Week	Introduction to the course
2. Week	Gestalt theory, Behaviorism, Kurt Lewin and field theory, Roger Barker and ecological theory
3. Week	Major assumption of environmental psyscology (Ittelson at all. 1974)
4. Week	Territoriality – Personel space - Crowding
5. Week	Territoriality – Personel space - Crowding
6. Week	Noise and traffic and their effects of behavior
7. Week	Midterm
8. Week	Gender – Age – Culture – Education and their effects of behavior
9. Week	Stress in urban living and effects of physical environment
10. Week	Kevin Lynch and Behavioral mapping
11. Week	Classwork
12. Week	Human behavior in naturel spaces and architecturel spaces
13. Week	Human behavior in common spaces
14. Week	Well-being in architectural spaces
15. Week	General summary of the course
16. Week	Final exam

ASSESSMENT METHOD		
Semester Works	**Number**	**Contribution**
Attendance	1	%10
Laboratory	0	%0
Application	2	%20
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%40
Final Exam	1	%30
Total	6	%100
Contribution of Semester Works to Success Points		%70
Contribution of Final Project to Success Points		%30
Total	6	%100

WORKLOAD AND ECTS CALCULATION			
Course Duration (x14)	16	3	48
Laboratory			
Application	2	5	10
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	6	3	18
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	6	12
Final Exam (Study duration)	1	12	12
Total Workload	27	31	100

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems					x
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.			x		
3. Applying environmental, social, and economic sustainability principles in design projects.			x		
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					

5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.				x	
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.				x	
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
DIGITAL DOCUMENTATION TECHNIQUES	FAD 342		3	0	0	3	4
Prequisites							
Course Language	English						
Course Type	Elective						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecture, Applied lecture, Visual Presentation, Presentation by students, Discussion, Project						
Instructor (s)							
Course objective	To develop an understanding and experience in digital documentation techniques that are used to document the and as-built conditions of existing buildings and on-going states of construction processes. With the capabilities of digital documentation the students will also learn how to gather the data to document the historic buildings, archaeological sites.						
Learning outcomes	The students who succeeded in this course will be able to; Have an understanding for the use of digital documentation in construction projects Have an understanding and experience for the use of digital documentation in historic buildings and sites Experience the preparatory phases of digital documentation Express differences among conventional and digital documentation of existing buildings and sites Experience a TLS process on site and its digital merging process Convert digital scans and documentations into required formats for further presentation and design processes						
Course Content	Parallel with the contents of the courses on surveying techniques, advances in BIM and re-use and restoration of spaces, students explore and present a variety of techniques that are classified as digital documentation in the construction industry. The students also personally experience a preparation, scanning and documentation process.						
References	Riveiro, B., & Lindenbergh, R. (Eds.). (2019). Laser Scanning: An emerging technology in structural engineering (Vol. 14). CRC Press. Kremers, H. (Ed.). (2020). Digital Cultural Heritage. Springer. Bertocci, S., & Parrinello, S. (2015). Digital survey and documentation of the archaeological and architectural sities. Firenze, Italy: Edifir.						

COURSE WEEKLY SCHEDULE	
Weeks	Subjects
1. Week	Introduction to digital documentation techniques, the opportunities provided with their use and how it transformed the concept and workflows of documentation in AEC industry, surveying and restoration project processes.
2. Week	Lectures and research assignments and student presentations on different modes of digital documentation. Discussion on how they serve as a new mode of production for the market of interior architecture, and how this mode may alter it as a profession.
3. Week	Lectures and research assignments and student presentations on the available tools and software that are used in digital documentation. Homework on photogrammetry and photo-modelling in AEC and archaeology.
4. Week	Research assignments and student presentations on digital orthophoto for architectural and archaeological applications.
5. Week	Mid-term 1
6. Week	Introduction to terrestrial laser scanning (TLS) in AEC and archaeology. Lecture on spherical reference based TLS methodology.
7. Week	Studio work on TLS and merging process of point clouds. Homework: scanning pre planning and scanner settlement layout for a historic space of building with reference spheres.
8. Week	Panel evaluation and collective assessment of proposed site scan layouts
9. Week	Applied lecturing on spherical reference point based TLS scanning on site
10. Week	Applied lecturing on uniting the scanned point clouds on the merging software
11. Week	Mid-term 2
12. Week	Studio work on developing the as-is drawing set of the scanned asset.
13. Week	Panel and desk critics on the drawing set for producing the survey drawings of the scanned asset.
14. Week	Panel and desk critics on the drawing set for producing the survey drawings of the scanned asset.
15. Week	
16. Week	Final submission and exhibition

ASSESSMENT METHOD		
Semester Works	Number	Contribution
Attendance	14	%0
Laboratory	0	%0
Application	2	%8
Fieldwork	1	%5
Practice	2	%12
Homework Assessment	2	%8
Presentation	3	%12
Project	1	%35
Seminar	0	%0
Mid-term Exams	2	%20
Final Exam	0	%0

Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	3	42
Laboratory			
Application	3	2	6
Specific practical training			
Field activities	1	4	4
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	8	2	16
Presentation / Seminar Preparation			
Project	1	16	16
Homework assignment	2	2	4
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	29	29	88

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					X
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					X

Course Name	Code	Semester	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
INTERIOR CONSTRUCTION SYSTEMS WITH BUILDING INFORMATION MODELING	FAD 353		3	0	0	3	5
Prequisites	FAD 204						
Course Language	English						
Course Type	Elective						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecture, Demonstration, Discussion, Question and Answer, Drill and Practice, Brain Storming.						
Instructor (s)	Assoc. Prof. Dr. Ece Kumkale Açıkgöz						
Course objective	To comprehend the extent of BIM use in construction related research and practice.						
Learning outcomes	The students who succeeded in this course; To experience visual scripting in Dynamo. To experience team-working in BIM applications. To experience BIM related software and their variety. To design a parametric interior design object in BIM. To present the algorithmic definition of a parametric BIM object. Explore work of 3D practitioners through research into historic and contemporary contexts Investigate 3D materials, techniques and processes to produce work; in response to a brief Present 3D outcomes through display and interaction Evaluate outcomes and working practices to inform future development						
Course Content	Modeling interior and product designs by Revit computer program.						
References							

COURSE WEEKLY SCHEDULE

Weeks	Subjects
1. Week	BIM advances in construction industry, current developments and future prospects.
2. Week	Research presentation
3.Week	Basics
4.Week	Modelling

5.Week	Modelling
6.Week	Modelling
7.Week	2D Drawing
8.Week	Transformation of 2D Drawings to 3D
9.Week	Midterm
10.Week	Compound Objects
11.Week	Compound Objects
12.Week	Parametric Objects
13.Week	Loft Modelling
14.Week	Polygon Modelling
15.Week	Preparation for final exam
16.Week	Final exam

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load

Course Duration (x14)	14	8	112
Laboratory			
Application	3	5	15
Specific practical training			
Field activities	2	3	6
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
Developing interdisciplinary design strategies that address complex environmental and societal problems.					
Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.				X	
Applying environmental, social, and economic sustainability principles in design projects.					
Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					X
Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					X
Acting confidently in the legal and ethical dimensions of the profession.					
Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					X

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
SUSTAINABLE DESIGN	FAD 354	SPRING	3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Required
Mode of Delivery	Face to face
Learning and teaching strategies	Lecture, Research, Project Development
Instructor (s)	Asst. Prof. Dr. Nedim KEMER
Course objective	This course starts with introducing the theory of sustainability in its broad sense through its historic development. It encourages students of architecture to integrate the principles of sustainability with their design challenges. It introduces good sustainable design examples. It emphasizes the responsibility of the profession of interior architecture on the consumption of nonrenewable resources. It is the main precept of this course, to develop design principles that promote renewable resource usage during the development and the management of physical environments.
Learning outcomes	At the end of the course, the students will be able: • to comprehend the concept of sustainability which is the important discourse the era. • To equip this knowledge with practical tools and instruments. • To enable students to utilize the sustainability principles as effective design instruments during the solution of design challenges. • To enable students become responsible architects on the utilization of resources.
Course Content	• Energy efficient building design • Carbon footprint • Zero house • Renewable and environmental resouces • Life on earth
References	, Louise. A Timeline of Human and Environment Interaction (Chapter Two) in Environmentally Responsible Design: Green and Sustainable Designs for Interior Designers. Ed. Louise Jones. John Wiley & Sons. Hoboken, New Jersey. ar, Kuppaswamy. 2015. Sustainable architectural design : an overview. Taylor & Francis. NY. er, Norbert. (2014). Heating, Cooling, Lighting: design methods for architects.John Wiley & Sons. Hoboken New Jersey. Sim Van der., Stuart Cowan. 2007. Ecological Design. Island Press. Ayşin. (2009). Sürdürülebilir Mimarlık. YEM Yayınevi. İstanbul n, Dahl. (2010). Climate and Architecture. Routledge, Oxon, NY. akan, Metin. (2010). Güneş kollektörü uygulamaları. İstanbul Ticaret Odası Yayınları.

COURSE WEEKLY SCHEDULE

Weeks	Subjects
Week	Introduction of the course content and the program.
Week	The Life Miracle. Conditions that support and sustain life on Earth. The Grand Interaction of Earth's Global Ecosystem. Biological Diversity.

Week	Sun Path Diagram, Exposure to the Sun, Climate as the Source of Energy. Sustainability as an ethical approach. Modern man who takes life for granted.
Week	Responsibilities of Sustainable Design in Interior Architecture. Sustainability Principles in Building Design: Lighting, heating, cooling - Lechner Alternative ways and methods for the conventional Energy Dependent Architecture.
Week	Sustainability evaluation instruments (LEED, BREEAM, DGNB) Principle NET-ZERO, Pasif House concept
Week	Sustainable Architecture Principles: Environmental factors. The Grand Interaction in the Global Ecosystem. Biomimicry.
Week	Sustainable Principles: Material choice, Reuse, Reduce, Recycle. Soil composting, Freshwater Harvesting.
Week	MIDTERM
Week	Site visit
Week	Sustainability Principles by Vernacular Architecture Active and Passive Solar Energy
Week	Research Report Presentation
Week	Project Work
Week	Project Work
Week	Project Work
Week	
Week	Final

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	14	%0
Laboratory		%0
Application		%0
Fieldwork	1	%5
Practice		%0
Homework Assessment	2	%15
Presentation	2	%20
Project		%0
Seminar		%0
Mid-term Exams	1	%20
Final Exam	1	%40
Total	21	%100

Contribution of Semester Works to Success Points	20	%60
Contribution of Final Project to Success Points	1	%40
Total	21	%100

WORKLOAD AND ECTS CALCULATION			
Course Duration (x14)	14	3	42
Laboratory			
Application			
Specific practical training			
Field activities	1	5	5
Study Hours Out of Class (Preliminary work, reinforcement, etc.)			
Presentation / Seminar Preparation	2	2	4
Project			
Homework assignment	2	5	10
Midterms (Study duration)	1	8	8
Final Exam (Study duration)	1	8	8
Total Workload	21	31	77

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					X
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.				X	
7. Acting confidently in the legal and ethical dimensions of the profession.			X		
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
VERTICAL CIRCULATION SYSTEMS	FAD 362		3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Elective
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Discussion, Question and Answer.
Instructor (s)	
Course objective	The aim of this course is to make students gain detailed information about vertical circulation systems and to improve design capability of students about vertical circulation systems.
Learning outcomes	The aim of the course is; To make students gain comprehensive and detailed information about vertical circulation systems. To make students understand the function of vertical circulation systems in buildings and its importance in building design. To improve design capability of students about vertical circulation systems.
Course Content	
References	Blanc, A., Stairs, Steps and Ramps, Butterworth Architecture, 1996 Sarı, A., Merdivenler – Düşey Sirkülasyon Araçları, İstanbul: YEM Yayınları, 1993. Templer, J., The Staircase – History and Theories, Cambridge, Massachusets: The MIT Press, 1992. Wakita, O., Linde, R.M., The Professional Practice of Architectural Detailing, John Wiley and Sons, 1999.

COURSE WEEKLY SCHEDULE

Weeks	Subjects
1. Week	Introduction: objectives, contents, and methods
2. Week	Vertical circulation systems: Functions and classifications, Performance requirements & Design principles
3. Week	Core systems
4. Week	Staircases
5. Week	Escalators
6. Week	Ramps
7. Week	Elevators
8. Week	Examination of vertical circulation systems of case buildings

9. Week	Examination of vertical circulation systems of case buildings
10. Week	Midterm
11. Week	Studio Work
12. Week	Studio Work
13. Week	Studio Work
14. Week	Studio Work
15. Week	Preparation for final exam
16. Week	Final exam

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	1	%10
Laboratory	0	%0
Application	2	%20
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%40
Final Exam	1	%30
Total	6	%100
Contribution of Semester Works to Success Points		%70
Contribution of Final Project to Success Points		%30
Total	6	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	16	3	48
Laboratory			
Application	2	5	10
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	6	3	18
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	6	12
Final Exam (Study duration)	1	12	12
Total Workload	27	31	100
Total Workload	27	20	

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX					
Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.			X		
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.				X	
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					X
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.				X	
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.			X		
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.			X		

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
DIGITAL FABRICATION TECHNIQUES	FAD 363		3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Elective
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Discussion, Question and Answer.
Instructor (s)	
Course objective	To develop an understanding and experience in digital fabrication techniques that finalize digital and parametric design processes, improve the comprehension and conceptualization of complex computational design thinking, and generate new values of presentation.
Learning outcomes	The students who succeeded in this course; • Experience the preparatory phases of digital fabrication • Express differences among manual and robotic assembly and construction • Experience the physical capacities and performances of fabrication materials • Construct a digitally fabricated interior space entity designed and built for a given purpose.
Course Content	Parallel with the content of the contents of the courses on digital design and parametric design, students explore and present a variety of production modes that are classified as digital fabrication in the construction industry. The students also personally experience a preparation, fabrication and assembly process.
References	Caneparo, L., & Cerrato, A. (2014). Digital fabrication in architecture, engineering and construction. Springer Netherlands. Iwamoto, L. (2013). Digital fabrications: architectural and material techniques. Princeton Architectural Press. Beorkrem, C. (2017). Material strategies in digital fabrication. Routledge.

COURSE WEEKLY SCHEDULE

Weeks	Subjects
Week	Introduction - definition of digital fabrication, it's importance and general information about the materials used in digital fabrication.
Week	Research assignments and student presentations on different modes of digital production. Discussion on how this serve as a new mode of production for the market of interior architecture, and how this mode may alter it as a profession.
Week	Research assignments and student presentations on the locally available materials that can be used in digital fabrication. Homework on a feasibility for the production of a specific product.
Week	Research assignments and student presentations on the variety and examples of digitally fabricated interior design solutions, and decoding the workflows of these productions.
Week	Assignment brief for a studio design team-work and introduction to its competitive assessment: a competition for a design that can be digitally fabricated and collectively assembled.
Week	Studio work on the design project teams – studio critics
Week	Studio work on the design project teams – studio critics
Week	Submissions of the design works and peer assessment for selecting the design work to be digitally fabricated.
Week	Studio work and critics for finalizing the design for digital fabrication.

Week	Studio work and critics for finalizing the design for digital fabrication.
Week	Project management plan generation and final decisions for the division of labor
Week	Material and expense scheduling, production management primaries and production plan generation.
Week	Fabrication process
Week	Assembling process
Week	
Week	Final Exhibition

ASSESSMENT METHOD		
Semester Works	Number	Contribution
Attendance	1	%10
Laboratory	0	%0
Application	2	%20
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%40
Final Exam	1	%30
Total	6	%100
Contribution of Semester Works to Success Points		%70
Contribution of Final Project to Success Points		%30
Total	6	%100

WORKLOAD AND ECTS CALCULATION			
Course Duration (x14)	16	3	48
Laboratory			
Application	2	5	10
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	6	3	18
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	6	12
Final Exam (Study duration)	1	12	12
Total Workload	27	31	100
Total Workload	27	20	

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX	
Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)

	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					X
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					X
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					X
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
WET SPACE DESIGN	FAD 364		3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Elective
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Question and Answer, Drill and Practice, Observation Case Study, Problem Solving, Team/Group, Project Design/Management.
Instructor (s)	-
Course objective	The aim of the course is to improve Interior Design students' skills to wet areas of design principles and standards, technical limiters, plumbing, modular systems, wet areas and theoretical information on the items, giving examples of local data analyzed in the development of design recommendations.
Learning outcomes	The students who succeeded in this course; • Students learn to make data analysis for the kitchen and bathroom. • Students learn about the required standard for kitchen and bathroom design. • Students conduct market research considering the problems. • Two-and three-dimensional drawings of kitchen design are prepared and implemented. • Two-and three-dimensional drawings of bathroom design are prepared and implemented.
Course Content	In wet areas of data analysis and design principles-standards; design and implementation in terms of choices of materials required in the criteria; lighting and use of color; the wet areas project preparation process considering electrical and water installations.
References	Germer, J. (2006). Kitchen and Bath Systems: Mechanical, Electrical, Plumbing. National Kitchen & Bath Association. Newton, D. (2006). Kitchen and Bathroom Drawing: Documents, Drafting, Presentation. National Kitchen & Bath Association. Yazıcıoğlu, D. A. (2010). Mutfak Tasarım Süreci. İstanbul: Literatür Yayıncılık Dağıtım.

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Course description and explanation of the process operation; wet place: definition, characteristics.
2. Week	Workshop: Custom Design Kitchen. An original kitchen will be design according to given the plan layout.
3. Week	Presentations: KITCHEN 1. Residential kitchen triangle, kitchen plan types and kitchen design standards. 2. The differences between industrial and residential kitchen in terms of measurement, materials and operation. 3. Built-in and independent white good measurement standards. 4. Residential type kitchen furniture market research; material selection criteria and the impact on the cost of material selection. Explaining how the application of updated kitchen material samples, advantages and disadvantages of these materials. 5. Selections of lighting and integrated lighting fixtures in the kitchen and examples of detail drawings. 6. Kitchen installation equipment and ventilation systems.
4. Week	Modular kitchen critique process. (Project 1)
5. Week	Modular kitchen critique process. (Project 1)
6. Week	Modular kitchen critique process. (Project 1)
7. Week	Modular kitchen project jury. (Project 1)
8. Week	Modular kitchen project jury. (Project 1)
9. Week	Presentations: BATHROOM 1. Bathroom design standards. 2. Function differences between residential, hospital-type bathrooms and washing functional locker rooms for sport centres will be presented with sample drawings. 3. Furniture, sanitary material

	differences between residential, hospital-type bathrooms and washing functional locker rooms for sport centres will be presented with material samples. 4. Plumbing and electrical installations for residential space will be exemplified by the 1/20 drawing techniques.
10. Week	Bathroom critique process. (Project 2)
11. Week	Bathroom critique process. (Project 2)
12. Week	Bathroom critique process. (Project 2)
13. Week	Bathroom project jury. (Project 2)
14. Week	Bathroom project jury. (Project 2)
15. Week	Bathroom Project Jury. (Project 2)
16. Week	Modular Kitchen Project. (Project 1) and Bathroom Project. (Project 2) submission. Final Jury

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	1	%10
Laboratory	0	%0
Application	2	%20
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%40
Final Exam	1	%30
Total	6	%100
Contribution of Semester Works to Success Points		%70
Contribution of Final Project to Success Points		%30
Total	6	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	16	3	48
Laboratory			
Application	2	5	10
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	6	3	18
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	6	12
Final Exam (Study duration)	1	12	12
Total Workload	27	31	100
Total Workload	27	20	

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX					
Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.			X		
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					X
3. Applying environmental, social, and economic sustainability principles in design projects.				X	
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.			X		
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
DESIGN RESEARCH METHODS	FAD 403	-	3	0	0	3	5
Prequisites	None						
Course Language	English						
Course Type	Elective						
Mode of Delivery	Face to face						
Learning and teaching strategies	Lecture, Discussion, Question and Answer, Practice, Studio work, Research.						
Instructor (s)	Asst. Prof. Dr. Ayten Hüma Tülce Uman						
Course objective	In Design Research Methods, students explore and advance using the research study techniques correctly within the scope of diverse kinds of architectural research. These architectural methods have diverse origins, rising from the humanities/ social sciences, from the sciences, and architectural design. The students are expected to select the right mode of research parallel to contemporary concerns, conventions, and methodologies In the course of a research study, academic reports preparation is learned aligns with research data/ source. During the course of the study as a research process; - learn how to handle a topic and frame it appropriately as a coherent line of inquiry - collect evidence; - navigate academic databases; - prepare a literature review; - develop an argument; - develop clear research question; - indicate the results/ findings understandable within academic concern In the end within the completion, the students develop the expansive intellectual framework for design/ architectural research paper.						
Learning outcomes	At the end of the course the students will be able to: • learn to do more research on the any subject, • learn to use different research techniques, • have knowledge about academic report writing method, • gain knowledge and skills that are required for report preparation, • use primary and secondary research methods to investigate an area of practice, with consideration of research ethics, • present research findings, through written work, visually and orally, • learn and improve the ethics rules in the research and report writing process.						
Course Content	Identifying and analyzing the research process; research methods and research techniques; preparing a report within the scope of findings.						

References	• Groat, Linda N., and David Wang. Architectural research methods. John Wiley & Sons, 2013. • Neuman, W. Lawrence. Social research methods: Qualitative and quantitative approaches. Pearson education, 2013. • Aziz, A. (1990) Araştırma Yöntemleri- Teknikleri ve İletişim. Ankara: A. Ü. Siyasal Bilgiler Fakültesi ve Basın- Yayın Yüksekokulu Basımevi. • Arıkan, R. (2000) Araştırma Teknikleri ve Rapor Yazma. Ankara: Gazi Kitapevi. • Bal, H.(2001) Bilimsel Araştırma Yöntem ve Teknikleri. Isparta: Süleyman Demirel Üniversitesi Yayınları. • Dinler, Z. (2006) Bilimsel Araştırma ve e-kaynaklar. Bursa: Ekin Kitapevi Yayınları. • Karasar, N. (2008) Bilimsel Araştırma Yöntemi. Ankara: Nobel Yayın. • Karasar, N. (1984) Araştırmalarda Rapor Hazırlama. Ankara: Hacettepe-Taş Kitapçılık Ltd.Şti. • Pakdil, F.A. (1993) Mimarlık Araştırmaları İçin Bilimsel Araştırma Yöntemi El Kitab. İstanbul: YTÜ Mimarlık Fakültesi Baskı İşliği.

COURSE WEEKLY SCHEDULE

Weeks	Subjects
1. Week	Introduction to the course: General information about the course content and research Presentation of the course outline, methods, objectives and requirements.
2. Week	Stages of the research process, Researching and data collection Research standards, Purpose of research The main purpose of writing reports and general information about the identification of research topics
3.Week	Research methods: 1. Historical research 2. Qualitative research 3. Correlational research
4.Week	Research methods: 1. Historical research 2. Qualitative research 3. Correlational research
5.Week	Research methods: 4. Experimental and Quasi-Experimental Research 5. Simulation Research
6.Week	Research methods: 6. Logical Argumentation 7. Case study and mixed methods
7.Week	DATA COLLECTION: How to collect data for the research
8.Week	Mid-term 1
9.Week	Report critics Research question: Literature Review and Research Design Indicating methods, and quoting excerpts systems Formal structure and nature of the report

10.Week	Report critics
11.Week	Report critics
12.Week	Report critics
13Week	Report critics
14.Week	Report critics
15.Week	Report critics
16.Week	Presentation of reports

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	0	%0
Laboratory	0	%0
Application	0	%0
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	2	%20
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%30
Final Exam	1	%50
Total	4	%100
Contribution of Semester Works to Success Points	3	%50
Contribution of Final Project to Success Points	1	%50
Total	4	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	3	42
Laboratory			
Application			
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	3	42
Presentation / Seminar Preparation			
Project			
Homework assignment	2	9	18
Midterms (Study duration)	1	3	3
Final Exam (Study duration)	1	3	3

Total Workload	32	21	108

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					X
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.				X	
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.				X	
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
PORTFOLIO	FAD 404	SPRING	3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Required
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Question and Answer.
Instructor (s)	
Course objective	The aim of this course is to understand portfolio and portfolio process. The course gives information regarding the determination of a target group; and selection of works, presentation styles and techniques. The course, which centers around studentship ethics, includes critical information for the students to internalize design and design principles; to experience the design process; to evaluate data within the design process; to gain the ability to make analysis and synthesis; to grasp design language and technique; to gain the ability to solve problems, ask questions and research answers.
Learning outcomes	The students who succeeded in this course; • Prepares a CV. • Determination of project presentation, style and techniques, • Experiencing the design process • Strengthening the design language and technique through the instruction of essential visual elements and examples, • Learning the necessary techniques to create a designer portfolio.
Course Content	Ways to create professional designer portfolio and some applications which include designer-client relationship; a technical project and formal letter techniques should be.
References	• Pile, John F., İnterior Design 3 Edition, 2003 • Neufert, Erns., Yapı Tasarımı, 2000 • İTÜ, Portfolyo Tasarım üzerine araştırma, 2002 • Zevi, Buruno, Mimariyi Görmeyi Öğrenmek, 1990 • Ching, Mimarlık: Biçim, Mekan, Düzen

COURSE WEEKLY SCHEDULE

Weeks	Subjects
1. Week	Introduction to the course.
2. Week	Instruction on how to prepare a Resume (CV).
3. Week	Examination of Resume (CV) examples.
4. Week	(Homework 1) Preparation of Resume (CV).

5. Week	Grading of the Resume (CV). Giving information on portfolio design
6. Week	Visual study on portfolio design. Examining of the portfolio and gathering examples.
7. Week	Visual study on portfolio design. Examining of the portfolio and gathering examples
8. Week	(Mid-Jury Evaluation) The announcement of the project, which will be used in the portfolio design.
9. Week	Critiques on project designs, examination of technical drawings and detail drawings.
10. Week	Critiques on project designs, examination of technical drawings and detail drawings.
11. Week	Mid-Jury Evaluation
12. Week	(Final Homework) Request for a computer aided, A3 sized portfolio design.
13. Week	Critique on portfolio design.
14. Week	Critique on portfolio design.
15. Week	Critique on portfolio design.
16. Week	Final-Jury Evaluation.

ASSESSMENT METHOD		
Semester Works	Number	Contribution
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100
WORKLOAD AND ECTS CALCULATION		

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	8	112
Laboratory			
Application	3	5	15
Specific practical training			
Field activities	2	3	6
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					X
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					X

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
SAFETY PRINCIPLES OF INTERIOR ARCHITECTURE	FAD 434	SPRING	3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Elective
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Discussion, Question and Answer.
Instructor (s)	
Course objective	
Learning outcomes	
Course Content	
References	

COURSE WEEKLY SCHEDULE	
Weeks	Subjects
Week	
Week	
Week	
Week	
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Week	
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Week	

Week	
Week	
Week	
Week	
Week	
Week	
Week	
Week	

ASSESSMENT METHOD		
Semester Works	Number	Contribution
Attendance	1	%10
Laboratory	0	%0
Application	2	%20
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%40
Final Exam	1	%40
Total	6	%100
Contribution of Semester Works to Success Points		%60
Contribution of Final Project to Success Points		%40
Total	6	%100

WORKLOAD AND ECTS CALCULATION			
Course Duration (x14)	12	7	84
Laboratory			
Application	2	5	10
Specific practical training			
Field activities	1	4	4
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	15		128
Presentation / Seminar Preparation			
Project			
Homework assignment			
Midterms (Study duration)	2	8	16
Final Exam (Study duration)	1	8	8

Total Workload	33	32	250

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.			X		
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					X
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					X
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
CONSERVATION OF HISTORIC SPACES	FAD 441	Fall	3	0	0	3	5
Prequisites	None						
Course Language	English						
Course Type	Elective						
Mode of Delivery	Face to face						
Learning and teaching strategies	Lecture, Discussion, Question and Answer, Practice, Studio work, Project, Observation Case Study.						
Instructor (s)	Assist. Prof. Dr. Ayten Hüma TÜLCE UMAN						
Course objective	The aim of the course is to give information about the contemporary conservation theories, theoretical and implementation issues on preparing restitution and restoration projects.						
Learning outcomes	At the end of the course the students will be able to: • Learns the physical and functional problems and solution methods of immobile cultural assets. • Learns conventional concepts, theories and notions of conservation • Learns the measurement and documentation techniques of immobile cultural assets. Learns the methods of preparing restitution projects. • Learns the process of scrutinizing of architectural change and development in immobile cultural assets. • Learns the contemporary conservation theories and techniques. • Learns how to restore and re-function the immobile cultural assets						
Course Content	Explaining information about how to prepare restitution and restoration projects of immovable cultural assets, theoretical and practical knowledge for the renovation and re-functioning of an old building.						
References	• Jukka Jokilehto. A History of Architectural Conservation. Oxford: Butterworth Heinemann, 1999. • Bernard M. FEILDEN; Conservation of Historic Buildings, St. Edmundsbury Press Ltd., 1996. • Ahunbay, Z. Tarihi Çevre Koruma ve Restorasyon, İstanbul, YEM Yayınevi, 1996. • Ahunbay, Z., Kültür Mirası Koruma İlke ve Teknikleri, İstanbul, 2019 • Anon, Preserving and Restoring Monuments and Historic Buildings, UNESCO, Paris, 1972 Handbook of research on emerging technologies for architectural and archaeological heritage, Hershey, Pennsylvania: IGI Global, [2017] • Stefano Brusaporci, (ed.), Handbook of research on emerging digital tools for architectural surveying, modeling, and representation, Hershey, Pennsylvania: IGI Global, [2015] Swallow, P.-.., Measurement and recording of historic buildings, Shaftesbury : Donhead, 2004 • Altınoluk, Ü. (1998), " Binaların Yeniden Kullanımı" , YEM Yayın, İstanbul. • Madran, E. ve Özgönül, N. (2005), "Kültürel ve Doğal Değerlerin Korunması," Mimarlar Odası, Ankara. • Werner Schmid and François LeBlanc.Recording, Documentation, and Information Management for the Conservation of Heritage Places. Los Angeles: The Getty Conservation Institute, 2007.						

	• Kenneth POWELL; Architecture Reborn The Conservation and Reconstruction of Old Buildings, Laurence King Publishing.
COURSE WEEKLY SCHEDULE	
Weeks	Subjects
Week	Introduction to the course: conservation and restoration concepts Presentation of the course outline, methods, objectives and requirements.
Week	The Process of a Conservation Project - Clashes of Conservation theories: Description and discussion of the contemporary restoration theory
Week	Causes of Decay: Factors causing deterioration in historical buildings - Climatic causes of decay - Seismic factors - Botanical, biological and microbiological causes of decay - Insects and other pests as causes of decay - Man-made causes of decay - Internal environment of historic buildings
Week	Conservation interventions Consolidation, Reintegration, Adaptive Reuse, Addition, Reconstruction, Repair
Week	A site study About causes of decay and conservation interventions
Week	Heritage at Risk The analysis of an applied conservation project Critiques on the selected projects
Week	The analysis of an applied conservation project Student Presentations
Week	Mid-term Exam
Week	A conservation project Historical research of the final project
Week	A conservation project Site visit and analysis: Building Survey Phase
Week	A conservation project Transferring the building survey and analysis to the digital platform Urban Analysis (Mapping and discussion): History of the Urban Area, Map of historic buildings– Categories of Edifices, Current Function, Story Height, Solid and Void, Access Analysis (pedestrian, vehicle…), Green-Open Space Analysis, Landmark Analysis, SWOT Analysis Building Analysis: History of the Train Station or related stations in Ankara/ Turkey, Circulation, Light, Function, Structural System and Material, Important Elements, Photographs and their Locations, Conservation intervention diagrams/ schemas The Evolution of Restitution Phases
Week	A conservation project conservation/ design principles with related sketches on urban plans, plans, elevations, or schematic sketches proposed interventions
Week	A conservation project Desk critiques
Week	A conservation project Desk critiques

Week	Preparation of the Final Set
Week	Final Project

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	14	%5
Laboratory	0	%0
Application	0	%0
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	2	%25
Presentation	0	%0
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%30
Final Exam	1	%40
Total	18	%100
Contribution of Semester Works to Success Points	17	%60
Contribution of Final Project to Success Points	1	%40
Total	18	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	3	42
Laboratory			
Application			
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	3	42
Presentation / Seminar Preparation			
Project			
Homework assignment	2	9	18
Midterms (Study duration)	1	3	3
Final Exam (Study duration)	1	3	3
Total Workload	32	21	108

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
Developing interdisciplinary design strategies that address complex environmental and societal problems.				X	
Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					

Applying environmental, social, and economic sustainability principles in design projects.				X	
Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
Acting confidently in the legal and ethical dimensions of the profession.					
Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.				X	
Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
ART AND SPACE INTERACTION	FAD 462		3	0	0	3	5
Prequisites	None						
Course Language	English						
Course Type	Elective						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecture, Visual Presentation, Presentation by students, Discussion, Project						
Instructor (s)							
Course objective	It is aimed to examine the spaces designed for the exhibition of works of art according to architectural and spatial parameters and to investigate the need to design the spaces in the process of creating and exhibiting art in different fields by different means of communication.						
Learning outcomes	• To understand environment-human-culture interaction, different behavior patterns, social and spatial patterns, to understand the responsibility of finding and analyzing user requirements. • Having the ability to make design decisions at the level of building, interior and settlement by learning the basic principles of architectural design. • Having the competence to determine the needs of the customer, owner and user by establishing the necessary dialogues, observing. • Discuss the social, historical and cultural context of key art and design moven theories and practices • Analyse a specific work of art or design related to own area of specialism • Use primary and secondary research methods to investigate an area of practic consideration of research ethics • Present research findings, through written work, visually and orally						
Course Content	Examining various exhibitions and exhibition methods, questioning the relationship between Exhibition Construction and exhibited works together with space. Design, create an individual or mixed exhibition, develop exhibition systems.						
References	• Gombrich E.H., Sanat ve Yanılsama, Remzi Kitapevi,1992 • O'Doherty, Brian, 2010, Beyaz Küpün İçinde, İstanbul. • Velarde, Giles, 2001, Designing Exhibitions, Burlington, USA.						

COURSE WEEKLY SCHEDULE

Weeks	Subjects
1. Week	Introduction to course
2. Week	Relationship between space and art
3. Week	Perception Of Space In Art, Perception Of Space In Contemporary Art
4. Week	Perception Of Space In Art, Perception Of Space In Contemporary Art

5. Week	Perception Of Space In Art, Perception Of Space In Contemporary Art
6. Week	What is “white cube"?
7. Week	Museum and gallery spaces
8. Week	Museum and gallery spaces
9. Week	Midterm
10. Week	Types and basic features of exhibition spaces
11. Week	Types and basic features of exhibition spaces
12. Week	Exhibition Systems
13. Week	Examples of different creative exhibition techniques and discussion
14. Week	Examples of different, creative exhibition techniques and discussion
15. Week	Preparation for final exam
16. Week	Final exam

ASSESSMENT METHOD		
Semester Works	Number	Contribution
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100
WORKLOAD AND ECTS CALCULATION		

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	8	112
Laboratory			
Application	3	5	15
Specific practical training			
Field activities	2	3	6
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.			X		
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.				X	
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.		X			

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
CONSTRUCTION SITE MANAGEMENT	FAD 479	Fall	3	0	0	3	5

Prequisites	None
Course Language	English
Course Type	Required
Mode of Delivery	Face to face Learning
Learning and teaching strategies	Lecture, Demonstration, Discussion, Question and Answer, Drill and Practice, Brain Storming.
Instructor (s)	Prof. Dr. Asena Soyluk
Course objective	To introduce to general concepts of construction site management and organization of project management
Learning outcomes	The students who succeeded in this course; • Are going to gain the ability work efficiently in intra-disciplinary and multi-disciplinary teams; ability to work individually. • Are going to gain knowledge about business life practices such as project management, risk management, and change management; awareness in entrepreneurship, innovation; knowledge about sustainable development.
Course Content	
References	"Yapı İşletmesi ve Şantiye Yönetimi",Durmuş Ali Açıkel, Mustafa Altın, Hicran Açıkel Eğitim Yayınevi - Ders Kitapları "Proje Yönetimi",Scala Yayıncılık,Eren Özdemir

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Introduction
2. Week	Features of building projects
3. Week	Types of construction sites and space organization on construction sites
4. Week	Types of construction sites and space organization on construction sites
5. Week	Project management and phases
6. Week	Features of construction production
7. Week	Notebooks used on construction sites
8. Week	Contracts

9. Week	Midterm
10. Week	Tender concept and types
11. Week	Quality management on the construction site
12. Week	Characteristics of the project manager
13. Week	Occupational health and safety on the construction site
14. Week	Occupational health and safety on the construction site
15. Week	Term topic summary
16. Week	Final Exam

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	14	%0
Laboratory	0	%0
Application	0	%0
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	2	%40
Project	0	%0
Seminar	0	%0
Mid-term Exams	1	%20
Final Exam	1	%40
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	12	3	36
Laboratory			
Application			
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	5	70
Presentation / Seminar Preparation	3	15	45
Project			
Homework assignment			
Midterms (Study duration)	1	3	3
Final Exam (Study duration)	1	3	3

Total Workload	31	29	157

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.				X	
7. Acting confidently in the legal and ethical dimensions of the profession.					X
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					X
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
STAGE DESIGN	FAD 461		1	2	0	2	4
Prequisites	None						
Course Language	English						
Course Type	Elective						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Discussion, Drill and Practice.						
Instructor (s)	-						
Course objective	Auditorium design (theater, concert hall and stage design) parameters are discussed and analysed. Project in the process of visual, acoustics, light, thermal and air-conditioning with interior design of the auditorium and stage to perform.						
Learning outcomes	The students who succeeded in this course; • To design concerts, theater hall on determination of the design criteria. • To design acoustic, lighting and interior with air-conditioning on the development of design criteria. • To practise two/three dimensional design for auditorium and stage. • To improve skills in selecting/detailing furniture, finishing and fixture design. • To have an analytical view point for contemporary planning issues,new trends. • Buildings regulations (fire insulation and exit the stage, auditorium seating system and the volume entry and exit) are examined.						
Course Content	In the design process of interior and exterior volume, hall (auditorium), stage and scene information volume and layout, scenery and design environment to cover all representations of the volume is configured with formal and visual layout.						
References	• Barron, Michael, (2009). Auditorium Acoustics and Architectural Design. London: Spon Press • Gloman, Chuck, NAPOLI, Rob, (2007). Scenic Design and Lighting Techniques. USA: Elsevier Inc. • Izenour, George, (1997). Theatre Design. USA: Yale University Press • Izenour, George, (1997). Theatre Technology. USA: Yale University Press • Strong, Juditt, (2010). Theatre Buildings: A Design Guide. New York: Routledge • Nutku, Özdemir, (2002). Sahne Bilgisi. İstanbul: Kabalcı Yayınevi						

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Introduction to the course design issues for stage planning, auditorium design principles
2. Week	Auditoriums and stage design pre-study
3. Week	Auditoriums and stage design principles: visual comfort parameters
4. Week	Auditoriums and stage design principles: architectural acoustics and fire
5. Week	Auditoriums and stage design principles: lighting equipment and use of lights
6. Week	Auditorium form and geometry design principles; Sketching, two/three dimensional auditorium design

7. Week	Designing stage with material selection, detailing, furniture-finishing parameters and lecturing with 2D and 3D drawings / Announcement of Final Project
8. Week	Mid-term
9. Week	Final project sketch studies controlling
10. Week	Analysis and discussion on the contemporary examples and homework drawings
11. Week	Analysis and discussion on the contemporary examples, discussion on building physics parameters and homework drawings
12. Week	Analysis and discussion on the contemporary examples, discussion on building physics parameters and homework drawings
13. Week	Material selection, detailing furniture, finishing and fixture design and homework drawings
14. Week	Material selection, detailing furniture, finishing and fixture design and homework drawings
15. Week	Discussion on the contemporary examples and homework drawings
16. Week	Final jury

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	8	112
Laboratory			
Application	3	5	15
Specific practical training			
Field activities	2	3	6

Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.				X	
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.			X		
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					X
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.			X		
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.				X	
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					X
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.			X		

Course Name	Code	Semester	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
PARAMETRIC DESIGN IN INTERIOR ARCHITECTURE	FAD 477		1	2	0	2	3
Prequisites	None						
Course Language	English						
Course Type	Elective						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecture, Drill and Practice.						
Instructor (s)	Assoc. Prof. Dr. Ece Kumkale Açıkgöz						
Course objective	This course aims to explain parametric relations between form-space and structure also to give an ability to create a parametric design process for an architectural problem. Throughout the process, parametric design software will be taught.						
Learning outcomes	By the end of the semester, students will have gained experience in: 1. Understanding Parametric Design Principles 2. Mastery of Grasshopper for Rhino 3. Integration of Wellness Concepts in Design 4. Creative Problem-Solving Through Parametric Tools 5. Application of Sustainability Principles 6. Collaborative Design Development 7. Critical Analysis and Peer Review 8. Production of Professional-Quality Parametric Models and Presentations						
Course Content	Algorithmic and parametric design principles Interpretation of architectural knowledge within an algorithmic design process Evaluation of different project in the context of parametric design to construct students' own processes Learning an up-to-date parametric design software.						
References	• AD READER: Computational Design Thinking. Eds. Achim Menges, Sean Ahlquist, 2011. • Algorithmic Architecture. Kostas Terzidis, 2006. • Architecture in the Digital Age: Design and Manufacturing, Branko Kolarevic, 2003. • Bielevelt, T. B. T. (2023). Parametric hospital design (Student report). Delft University of Technology, Faculty of Architecture and the Built Environment. http://resolver.tudelft.nl/uuid:557bdb1a-4d54-4847-bd84-fd9c0a8c2315 • Eltaweel, A., & Yuehong, S. U. (2017). Parametric design and daylighting: A literature review. Renewable and Sustainable Energy Reviews, 73, 1086-1103. • From Control to Design: Parametric /Algorithmic Architecture. Eds. M. Meredith, Aranda-lasch, M. Sasaki, 2008. • HOK. (n.d.). HOK's sustainable material tracking: A journey toward healthier space. https://www.hok.com/ideas/research/hoks-sustainable-material-tracking-a-journey-toward-healthier-space/ • Jabi, W. (2013). Parametric design for architecture. Hachette UK. • Kyratzi, S., & Azariadis, P. (2022). Integrated design intent of 3D parametric models. Computer-Aided Design, 146, 103198. • Monedero, J. (2000). Parametric design: a review and some experiences. Automation in construction, 9(4), 369-377.						

COURSE WEEKLY SCHEDULE	
Weeks	**Subjects**
1. Week	Introduction Basic Concepts : Algorithm, Parameters, Parametric Design ▪ Overview of parametric design and its relevance to interior architecture. ▪ Introduction to Rhino and Grasshopper. ▪ Formation of student groups.
2. Week	Basic Grasshopper Commands & Techniques ▪ Lecture: Basic Grasshopper scripting and visual coding. ▪ Distribution of basic application sheets. ▪ Group work preparation for presentations.
3. Week	Group Presentations & Classroom Applications (Part 1) ▪ Group 1 presents their script. ▪ Class applies the script with guidance from Group 1.
4. Week	Group Presentations & Classroom Applications (Part 2) ▪ Group 2 presents their script. ▪ Class applies the script with guidance from Group 2.
5. Week	Group Presentations & Classroom Applications (Part 3) ▪ Group 3 presents their script. ▪ Class applies the script with guidance from Group 3.
6. Week	Group Presentations & Classroom Applications (Part 4) ▪ Group 4 presents their script. ▪ Class applies the script with guidance from Group 4.
7. Week	Group Presentations & Classroom Applications (Part 5) ▪ Group 5 presents their script. ▪ Class applies the script with guidance from Group 5.
8. Week	Introduction to the Design Question ▪ Presentation of the design question focused on wellness and stress reduction. ▪ Group discussion on possible parametric solutions. ▪ Introduction to sustainable design elements.
9. Week	Design Development (Part 1) ▪ Group work on initial design ideas. ▪ Instructor feedback on preliminary concepts and parametric strategies.
10. Week	Design Development (Part 2) ▪ Continuation of group work. ▪ Final adjustments before the midterm jury.

11. Week	Midterm Jury ▪ Groups present their progress on the design project. ▪ Feedback from jury on concept, parametric strategy, and progress.
12. Week	Final Design Development ▪ Groups refine designs based on jury feedback. ▪ Focus on completing parametric models and integrating wellness principles.
13. Week	Final Preparations ▪ Final touches on design projects. ▪ Preparation of final presentations and required components.
14. Week	Final Preparations ▪ Final touches on design projects. ▪ Preparation of final presentations and required components.
15. Week	Preparation for final presentations
16. Week	Final Presentations and Jury ▪ Groups present their completed design projects. ▪ Assessment based on parametric model, design solution, and presentation quality.

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Activities	**Number**	**Duration (hour)**	**Total Work Load**
Course Duration (x14)	14	3	42
Laboratory			
Application	3	5	15
Specific practical training			
Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	1	14
Presentation / Seminar Preparation	5	3	15

Project	2	10	20
Homework assignment	8	2	16
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	132

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	**2**	**3**	**4**	**5**
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.			X		
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.				X	
3. Applying environmental, social, and economic sustainability principles in design projects.		X			
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					X
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					X
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					X

Course Name	Code	Semester	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
HISTORIC BIM STUDIES	FAD 467		1	2	0	2	4

Prequisites	None
Course Language	English
Course Type	Elective
Mode of Delivery	Face to face and distance learning (Hybrid)
Learning and teaching strategies	Lecture, Drill and Practice.
Instructor (s)	Assoc. Prof. Dr. Ece Kumkale Açıkgöz
Course objective	This course aims to explain provide advanced BIM studies with a specific focus on its use in historic/cultural heritage studies.
Learning outcomes	• Ability to transmit the heritage building data into a BIM environment with parametric BIKM objects. • Ability to produce parametric BIM objects that have standardizable parameter definitions. • Ability to understand the required LoDs for specific purposes, such as documentation, restitution/restoration projects development, structural rehabilitation project development, refunctioning/reuse project development.
Course Content	Development of a BIM model on a TLS point cloud model, on a variety of different LoDs. Modelling parametric BIM objects that include geometrical, time and data based modifiable parameters, with standardizable parameter definitions.
References	• Historic England 2017 BIM for Heritage: Developing a Historic Building Information Model. Swindon. Historic England. • Murphy, M., McGovern, E., & Pavia, S. (2009). Historic building information modelling (HBIM). *Structural Survey*. • Dore, C., & Murphy, M. (2012, September). Integration of Historic Building Information Modeling (HBIM) and 3D GIS for recording and managing cultural heritage sites. In *2012 18th International Conference on Virtual Systems and Multimedia* (pp. 369-376). IEEE.

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Introduction to H-BIM
2. Week	Methods and techniques for conversion from TLS laser scanned point cloud model to BIM model, Assignment 1: distribution of research topics among teams of students
3.Week	Assignment 1 submissions, Research presentations on Examples of H-BIM applications 1
4.Week	Research presentations on Examples of H-BIM applications 2
5.Week	Modelling applications in studio: Phase 1: Task specification, timetable planning and structuring the work-sharing among teams
6.Week	Modelling applications in studio: Phase 2: setting up the basics of the BIM model (level identification, setting the point cloud positioning, setting the parameter standards of the BIM and family models etc.)

7.Week	Modelling applications in studio: Phase 3: Building up the basic model, building up the basics of the family models from among a pre-defined (previously researched and documented) or simultaneously defined element inventory.
8.Week	1. Preliminary Jury: panel critics on the BIM applications and feedback from BIM consultants and experts on historic preservation/conservation and restoration.
9.Week	Modelling applications in studio: Phase 4: Developing the basic models and developing the codes of the standardization of parameters among the families and the historic data.
10.Week	Modelling applications in studio: Phase 5: Developing the models and setting and testing the codes of the standardization of parameters among the families and the historic data.
11.Week	2. Preliminary Jury: panel critics on the BIM applications and feedback from BIM consultants and experts on historic preservation/conservation and restoration.
12.Week	Studio Work and critics Peer-assessment of the teamwork and feedback for the work-sharing operations of BIM.
13.Week	Studio Work and critics
14.Week	Studio Work and critics
15.Week	Preparation for final jury and exhibition
16.Week	Final jury and exhibition opening

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	14	%0
Laboratory	0	%0
Application	5	%30
Fieldwork	0	%0
Practice	0	%0
Homework Assessment	0	%0
Presentation	1	%10
Project	0	%0
Seminar	0	%0
Mid-term Exams	2	%20
Final Exam	1	%30
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	3	42
Laboratory			
Application	5	2	10
Specific practical training	1	3	3

Field activities			
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	8	2	16
Presentation / Seminar Preparation	1	4	4
Project			
Homework assignment			
Midterms (Study duration)	2	4	8
Final Exam (Study duration)	1	8	8
Total Workload	32	26	91

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.					
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.					
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					X
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.				X	
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					X
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.			X		
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					X

Course Name	Code	Semester	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
MUSEUMS AND EXHIBITION DESIGN	FAD 468		1	2	0	2	4
Prequisites	None						
Course Language	English						
Course Type	Elective						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecture, Visual Presentation, Presentation by students, Discussion, Project						
Instructor (s)							
Course objective	To create an interdisciplinary platform that defines the stages and dimensions of design, product, idea or technique to reach the target audience in order to create an exhibition space. In this context, it is aimed to gain the ability to cooperate with different disciplines such as graphic, visual arts, industrial product design within the basic education of Interior Architecture.						
Learning outcomes	• Knows the stages of exhibition design process • Have knowledge of the application of the designs produced • Learn the principles of combining interdisciplinary working together • Have information about lighting • Can use his / her studies in later periods						
Course Content	Theoretical approach to the concept of ecology and its reflections to architecture; concepts of green and sustainable architectures; evolution of ecological design in architecture; ecological built projects in Turkey and other countries. Definition of ecology and ecology in architecture. Explanation of environmental effects, problems and principles by architectural design, ecological design by new use in old buildings, ecological design by new building design, intelligent buildings.						
References	• Ambrose, Timothy ve Paine, Crispin, 1993, Museum Basics, Oxon, UK. • Asatekin, Mehmet, 1997, Endüstri Tasarımında Ürün-Kullanıcı İlişkiler • Burcow, G.Ellis, 1997, Introduction to Museum Work, Oxford, UK. • Franck, Klaus, 1961, Ausstellungen/ Exhibitions, Stuttgart, Germany. • Hughes, Philip, 2010, Exhibition Design, London, UK.. • Matthews, Geoff, 1991, Museums and Art Galleries a Design and Development • Miles, R.S. , 1982, The Design of Educational Exhibits, London, UK. • O'Doherty, Brian, 2010, Beyaz Küpün İçinde, İstanbul. • Velarde, Giles, 2001, Designing Exhibitions, Burlington, USA.						

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**
1. Week	Explanation of the course and its content, Introduction to the exhibition and definition
2. Week	History of exhibitions and, development, types, examples, etc. of exhibitions
3.Week	Principles of curatorial work
4.Week	Methods of exhibition and circulation determination of space
5.Week	Design of exhibition elements, factors involved in design and exhibition lighting

6.Week	Industrial design details and types of display elements
7.Week	Design criteria and examinations of exhibition graphs
8.Week	Exhibition excursion
9.Week	Midterm
10.Week	Presenting the analysis of Exhibition example
11.Week	Application project decisions
12.Week	Exhibition design project
13.Week	Exhibition design project
14.Week	Exhibition design project
15.Week	Preparation for final exam
16.Week	Final exam

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	8	112
Laboratory			

Application	3	5	15
Specific practical training			
Field activities	2	3	6
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.				x	
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.				x	
3. Applying environmental, social, and economic sustainability principles in design projects.					x
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.					
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.				x	
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.			x		
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.				X	
9. Participating in critical discussions on the cultural and societal significance of interior spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					X
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.			x		

Course Name	Code	Semester	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
ADAPTIVE REUSE OF INDUSTRIAL BUILT HERITAGE	FAD 469		1	2	0	2	4
Prequisites	None						
Course Language	English						
Course Type	Elective						
Mode of Delivery	Face to face and distance learning (Hybrid)						
Learning and teaching strategies	Lecture, Drill and Practice.						
Instructor (s)							
Course objective	The aim of this course is to enable the students to learn the nature of the relationship between shell and space, living-in spaces,, space conversion, the concepts of flexible design ; to reuse ,reuse of historical sites; re-utilize the spaces without any historical value with different functions; utilize the shell and structural systems in re-functioning and decide the limits of intervention; to do historical research,, spatial analysis, and solve technical problems; to use the original tissue, utilize it, and learn the limits of authenticity in case of conservation.						
Learning outcomes	• Learns the problems of re-functioning of the traditional structure which has historical value and how to solve them. • Learns the methods of the arrangement of space with a diverse effect and reorganisation of spatial connections. • Learns to interpret the examples of spaces available nearby						
Course Content	This course covers generating solutions by thinking comprehensively and learning critical approach						
References	• CANTELL, S. F. (2005). The Adaptive Reuse of Historic Industrial Buildings: Regulation Barriers, Best Practices and Case Studies, Virginia Polytechnic Institute and State University, unpublished master's Thesis in Urban and Regional Planning. • KÖKSAL, G., AHUNBAY, Z. (2006). Advice for the Protection and Reuse of Industrial Heritage in Istanbul, ITU / a Magazine, c: 5, p. 2, p.125-36. Istanbul. • SELÇUK, M. (2006). Evaluation of spatial re-functioning work of fiction, Unpublished Master´s Thesis, SU Institute of Science, Department of Architecture, Konya. • TAPAN, M. (2007). Questions and Answers protection, Chamber of Architects of Turkey, Istanbul Metropolitan Branch Publication, Istanbul. • ÇETİNTAŞ, S. (1946). Architectural Monuments of Turkey, the Ottoman period, Bursa, the first works. E.E.M.U.M. Surveying Bureau Pub., Istanbul. • ELDEM, S.H. (1968). Surveying 1 State Academy of Fine Arts, Department of Architecture, Istanbul. • ÜLGEN, A. S. (1989). Mimar Sinan Structures (Catalog). Turkish Historical Society Publications, ISBN: 9751601649, Ankara.Ambrose, Timothy ve Paine, Crispin, 1993, Museum Basics, Oxon, UK. • Asatekin, Mehmet, 1997, Endüstri Tasarımında Ürün-Kullanıcı İlişkiler • Burcow, G.Ellis, 1997, Introduction to Museum Work, Oxford, UK. • Franck, Klaus, 1961, Ausstellungen/ Exhibitions, Stuttgart, Germany. • Hughes, Philip, 2010, Exhibition Design, London, UK.. • Matthews, Geoff, 1991, Museums and Art Galleries a Design and Development • Miles, R.S. , 1982, The Design of Educational Exhibits, London, UK. • O'Doherty, Brian, 2010, Beyaz Küpün İçinde, İstanbul. • Velarde, Giles, 2001, Designing Exhibitions, Burlington, USA.						

COURSE WEEKLY SCHEDULE

Weeks	**Subjects**

1. Week	The problem of meaning in re- functioning.
2. Week	The effects of the meaning of space that it is already given to re-functioning, amenities and restrictions.
3.Week	Reusing the traditional structure that has historical value
4.Week	The search for the solution to re-functioning of the traditional structure
5.Week	The criteria to be considered in reusing of a traditional building that has historical value.
6.Week	Making interpretation and having discussion on visual material related to the sample of a converted space.
7.Week	Interpretation of the samples of converted space nearby by.
8.Week	Industrial Built Heritage
9.Week	Midterm
10.Week	Re-functioning of the structures without any historical value , spatial conversions.
11.Week	Primarily spatial problems in re- functioning , search for solutions.
12.Week	The reorganization of the same space with different effects , prime factors.
13.Week	Reorganization of all spaces, the spatial connections.
14.Week	Seminar
15.Week	Preparation for final exam
16.Week	Final exam

ASSESSMENT METHOD

Semester Works	**Number**	**Contribution**
Attendance	14	%0
Laboratory	0	%0
Application	3	%15
Fieldwork	2	%4
Practice	0	%0
Homework Assessment	8	%16
Presentation	3	%15

Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	32	%100
Contribution of Semester Works to Success Points	31	%60
Contribution of Final Project to Success Points	1	%40
Total	32	%100

WORKLOAD AND ECTS CALCULATION

Activities	Number	Duration (hour)	Total Work Load
Course Duration (x14)	14	8	112
Laboratory			
Application	3	5	15
Specific practical training			
Field activities	2	3	6
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	4	56
Presentation / Seminar Preparation	3	10	30
Project	2	20	40
Homework assignment	8	5	40
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	46	53	299

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
1. Developing interdisciplinary design strategies that address complex environmental and societal problems.				X	
2. Creating innovative interior designs that adopt universal design principles by balancing historical, technical requirements, and user needs.					
3. Applying environmental, social, and economic sustainability principles in design projects.				X	
4. Specializing in visual, written, and verbal representation and communication techniques to effectively manage design processes and convey design concepts.			X		
5. Integrating art and construction techniques to enhance the aesthetic and functional aspects of interior spaces.					
6. Using advanced material and construction technologies in pioneering ways and engaging in inter- and intra-disciplinary teamwork.					
7. Acting confidently in the legal and ethical dimensions of the profession.					
8. Prioritizing professional responsibility, risk forecasting, occupational health and safety, and user health.					
9. Participating in critical discussions on the cultural and societal significance of interior					X

spaces and adopting a sensitive approach to preserving and sustaining cultural heritage.					
10. Using advanced design tools and artificial intelligence to improve design processes and outcomes.					

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
ADVANCED BIM STUDIES	FAD 470	SPRING	2	2	0	3	5

Prequisites	
Course Language	English
Course Type	Required
Mode of Delivery	Face to face
Learning and teaching strategies	Lecture, Drill and Practice, Project-based Learning
Instructor (s)	Assoc. Prof. Dr. Ece Kumkale Açıkgöz
Course objective	The course aims to deepen students' knowledge and skills in using Building Information Modeling (BIM) tools tailored for interior architecture, focusing on design, project management, and project submission processes. Emphasis will be placed on advanced BIM applications such as Dynamo for BIM, project scheduling, and cost estimation.
Learning outcomes	At the end of the course the students will be able to: • Utilize advanced BIM tools and Dynamo to optimize design and project workflows. • Apply BIM in project management and submission processes specific to interior architecture. • Develop skills in scheduling and cost estimation using BIM. • Integrate multidisciplinary collaboration within BIM environments. • Produce detailed and accurate models for interior architectural projects. • Manage data interoperability and file exchange for efficient project delivery.
Course Content	• Advanced principles of BIM in interior architecture • Use of Dynamo for parametric and algorithmic design • BIM workflows for project management and submission • Scheduling techniques and cost estimation within BIM platforms • Collaborative workflows across disciplines using BIM • Detailed modeling techniques for interior design elements • Data interoperability and file management • Rendering and visualization strategies for project presentation
References	• BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers, and Contractors, Chuck Eastman, Paul Teicholz, Rafael Sacks, Kathleen Liston, 2011. • Mastering Autodesk Revit 2022, Robert Yori, Marcus Kim, Lance Kirby, 2021. • Dynamo and Grasshopper for Revit Cheat Sheet Reference Manual, Marcello Sgambelluri, 2020. • Baldwin, M. (2019). *The BIM Manager: A Practical Guide for BIM Project Management*. Beuth Verlag GmbH • Wasmi, H. A., & Castro-Lacouture, D. (2016). Potential impacts of BIM-based cost estimating in conceptual building design: A university building renovation case study. In Construction Research Congress 2016: Old and New Construction Technologies Converge in Historic San Juan (pp. 426–435). American Society of Civil Engineers. https://doi.org/10.1061/9780784479827.042

COURSE WEEKLY SCHEDULE

Weeks	Subjects
17. Week	Introduction to Advanced BIM for Interior Architecture

18. Week	Dynamo Basics for BIM Workflow Automation
19. Week	Advanced Parametric Design with Dynamo
20. Week	Project Management Processes in BIM
21. Week	BIM for Project Submission and Documentation
22. Week	Scheduling Techniques in BIM
23. Week	Cost Estimation and Budgeting with BIM Tools
24. Week	Midterm Project Submission
25. Week	Collaborative Workflows in BIM
26. Week	Data Interoperability and File Management
27. Week	Detailed Modeling for Interior Design Components
28. Week	Visualization and Rendering in BIM Projects
29. Week	Final Project Development
30. Week	Final Project Presentation
31. Week	Preparation for final submission
32. Week	Final submission

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	0	%0
Laboratory	0	%0
Application	1	%15
Fieldwork	1	%4
Practice	0	%0
Homework Assessment	2	%16
Presentation	2	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0

Total	8	%100
Contribution of Semester Works to Success Points	7	%60
Contribution of Final Project to Success Points	1	%40
Total	8	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	14	4	56
Laboratory			
Application	1	1	1
Specific practical training			
Field activities	1	1	1
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	5	70
Presentation / Seminar Preparation	2	5	10
Project	2	5	10
Homework assignment	2	5	10
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	36	26	158

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
11.				X	
12.			X		
13.					X
14.		X			
15.					X
16.					X
17.	X				
18.		X			
19.					X
20.			X		

Course Name	Code	Semester	Theory (hour/week)	Application (hours/week)	Laboratory (hours/week)	National Credit	ECTS
PROFESSIONAL CARRIER	FAD 480	FALL	2	2	0	3	5
Prequisites							
Course Language	English						
Course Type	Elective						
Mode of Delivery	Face to face						
Learning and teaching strategies	Lectures by professionals, Interviews with industry experts, Project-based Learning						
Instructor (s)	Assoc. Prof. Dr. Ece Kumkale Açıkgöz						
Course objective	The course aims to prepare students for a professional career as interior architects. It covers how to start and manage a design firm, develop and maintain partnerships, navigate professional relationships with other industry agents, and handle legal agreements and documentation.						
Learning outcomes	At the end of the course the students will be able to: • Define and express their professional goals and career ideals. • Develop a strategic plan for their professional future. • Understand how to establish a commercial identity in the interior architecture industry. • Build and maintain professional relationships within the industry. • Stay updated on relevant legislations, customs, and industry practices. • Manage human resources, lead teams, and maintain work quality. • Identify effective strategies for crisis management in professional settings.						
Course Content	• Establishing a Professional Identity • Building and Sustaining Industry Relationships • Understanding Industry Legislations and Practices • Business Development and Entrepreneurship in Interior Architecture • Human Resource Management and Team Leadership • Crisis Management and Problem-Solving Strategies • Quality Assurance in Project Execution • Crafting Business Agreements and Contracts • Guest Lectures from Industry Professionals • Developing a Personal Business Plan						
References	• "The Business of Design: Balancing Creativity and Profitability" by Keith Granet • "Professional Practice for Interior Designers" by Christine M. Piotrowski • "Managing the Design Process" by Terry Stone • Relevant articles and case studies on professional practice in interior architecture						

COURSE WEEKLY SCHEDULE

Weeks	Subjects
33. Week	Introduction to Professional Practice in Interior Architecture
34. Week	Establishing a Commercial Identity
35. Week	Building and Managing Professional Relationships

36. Week	Industry Legislations, Customs, and Practices
37. Week	Business Development and Entrepreneurship
38. Week	Human Resource Management in Design Firms
39. Week	Crisis Management and Problem-Solving Strategies
40. Week	Midterm - Industry Expert Interviews and Reflections
41. Week	Managing Team Dynamics and Leadership Skills
42. Week	Crafting Business Agreements and Contracts
43. Week	Quality Assurance in Interior Projects
44. Week	Guest Lectures from Professional Interior Architects
45. Week	Business Plan Development Workshop
46. Week	Final Business Plan Presentation
47. Week	Preparation for final submission
48. Week	Final submission

ASSESSMENT METHOD

Semester Works	Number	Contribution
Attendance	0	%0
Laboratory	0	%0
Application	1	%15
Fieldwork	1	%4
Practice	0	%0
Homework Assessment	2	%16
Presentation	2	%15
Project	2	%50
Seminar	0	%0
Mid-term Exams	0	%0
Final Exam	0	%0
Total	8	%100
Contribution of Semester Works to Success Points	7	%60
Contribution of Final Project to Success Points	1	%40
Total	8	%100

WORKLOAD AND ECTS CALCULATION

Course Duration (x14)	14	4	56
Laboratory			
Application	1	1	1
Specific practical training			
Field activities	1	1	1
Study Hours Out of Class (Preliminary work, reinforcement, etc.)	14	5	70
Presentation / Seminar Preparation	2	5	10
Project	2	5	10
Homework assignment	2	5	10
Midterms (Study duration)			
Final Exam (Study duration)			
Total Workload	36	26	158

THE COURSE LEARNING OUTCOMES - PROGRAM OUTCOMES MATRIX

Program Outcomes	**Contrubution Level (1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest)**				
	1	2	3	4	5
21.				X	
22.			X		
23.					X
24.		X			
25.					X
26.					X
27.	X				
28.		X			
29.					X
30.			X		