

PART I (Senate Approval)									
Offering School	Antalya Bilim University-Faculty of Fine Arts and Architecture								
Offering Department	Interior Architecture and Environmental Design								
Program(s) Offered to	Interior Architecture and Environmental Design					Compulsory			
Course Code	IAED 3301								
Course Name	Human Factors in Interior Space								
Language of Instruction	English								
Type of Course	Theory								
Level of Course	Undergraduate								
Hours per Week	Lecture:2	Laboratory:	Recitation:	Practical:	Studio:	Other:			
ECTS Credit	2								
Grading Mode	Letter Grade								
Pre-requisites	None								
Co-requisites	None								
Registration Restriction	None								
Educational Objective	This course will use a case study approach to human factors problem analysis in domains of interior space. The course mainly focuses on the interactions between human and design and, the environment that surrounds people.								
Course Description	<p>This course refers to systems thinking, biophilia, social interactions, cognition and perception, inclusivity, diverse populations, and contextualizing human experience and behavior in environments.</p> <p>This could include natural, built, virtual, and/or technological environments. Technological environments could include smart homes and interior environments; awareness of and response to technology; and the way in which users interface with various platforms. Human experience could include wellbeing, behavior, and performance. Wellbeing could include physical and emotional wellbeing and physical and psychological security.</p> <p>Examples could include both qualitative and quantitative data, such as precedent studies, case studies, surveys, observations, peer-reviewed literature, and focus groups.</p> <p>Universal design refers broadly to “the design of products and environments to be useable by all people to the greatest extent possible, without the need for adaptation or specialized design.”</p> <p>Quote attributed to Ron Mace, excerpted from North Carolina State University Center for Universal Design website. Inclusive design refers broadly to current social-political issues related to inclusion and considers the full range of human diversity with respect to ability, language, culture, gender, age, and other forms of human difference. Design for inclusion includes a range of solutions in the built environment versus one design solution that accommodates multiple users. Examples could include gender neutral restrooms, non-gendered iconography and signage, cultural appropriation, etc.</p>								
Learning Outcomes	LO1	Understanding theories related to the impact of the built environment on human experience, behavior, and performance.							
	LO2	Understanding the relationship between natural and built environments and their impact on human experience, comfort, behavior, and performance.							
	LO3	Understanding the acquisition of human-centered knowledge.							
	LO4	Understanding the application of wayfinding techniques in interior design solutions.							
	LO5	Understanding the selection of products and materials based on ergonomic characteristics and performance criteria.							
	LO6	Understanding industry-specific regulations related to ergonomic standards.							
	LO7	Understanding regulations and guidelines related to universal access and accessibility.							
PART II (Faculty Board Approval)									
Basic Outcomes (University-wide)	Program Outcomes		LO1	LO2	LO3	LO4	LO5	LO6	LO7
	PO1	Ability to communicate effectively and write and present a report in Turkish and English.							
	PO2	Ability to work individually, and in intra-disciplinary and multi-disciplinary teams.							
	PO3	Recognition of the need for life-long learning and ability to access information , follow developments in science and technology, and continually reinvent oneself.							
	PO4	Knowledge of project management, risk management, innovation and change management, entrepreneurship, and sustainable development.							
	PO5	Awareness of sectors and ability to prepare a business plan.							
	PO6	Understanding of professional and ethical responsibility and demonstrating ethical behavior.							
Faculty Specific Outcomes	PO7	Gain the ability of conceptualizing, applying, analyzing, synthesizing and evaluating information effectively (Critical Thinking).							
	PO8	Produce innovative ideas and products with creativity (Creativeness).							
	PO9	Gain the ability of leadership, entrepreneurship and self-leadership skills (Leadership and Entrepreneurship).							
	PO10	Care about the ethical values and principles; behave in accordance with these in professional and social life (Ethical Behavior).							
	PO11	Understand, define and reach the information that they need; use information effectively and share it with others (Information Literacy).							
	PO12	Use information effectively and communication technologies while learning, and can share their knowledge and experience with others using technology and visual means (Information and Communication Technology Literacy).							
	PO13	Global Context: To have a global perspective and consider social, cultural, economic, and ecological contexts in all areas of work.							
	PO14	Collaboration: To have the ability to collaborate with disciplines that the field interacts with.							

Discipline Specific Outcomes (program)	PO15	Business Practice and Professionalism: To understand the principles, processes, and responsibilities that define the value of the profession to society.								
	PO16	Human-Centered Design: To integrate physical, social, and cultural dimensions of the built environment, considering human experience and behavior in the design process through analysis.								
	PO17	Design Process: To creatively solve a design problem using all aspects of the design process.								
	PO18	Communication: To have the ability to express and present ideas and thoughts effectively through verbal, written, and visual means, including in English, throughout the design and implementation process.								
	PO19	History: To have knowledge of the history of the profession and make design decisions sensitive to cultural heritage and historical/natural environments.								
	PO20	Design Elements and Principles: To be proficient in adopting design elements and principles in design approaches.								
	PO21	Light and Color: To apply principles and theories related to light and color in terms of environmental impact and human comfort effectively.								
	PO22	Products and Materials: To have knowledge of production, assembly, and maintenance requirements of interior fixtures, materials, and accessories, and to gain the ability to make selections and applications based on aesthetic, ergonomic, safety, and cost criteria.								
	PO23	Environmental Systems and Human Comfort: To apply principles related to environmental impact and human comfort, including acoustics, thermal comfort, indoor air quality, plumbing systems, and waste management.								
	PO24	Construction/Building/Structure: To understand the relationship between interior construction and its connection to basic building construction and systems.								
	PO25	Regulations and Guidelines: To be proficient in applying laws, regulations, and standards related to professional practice, including sustainability, fire safety, construction, materials, accessibility, intellectual and industrial property rights, and incorporating them into the design process.								

PART III (Department Board Approval)

Course Subjects, Contribution of Course Subjects to Learning Outcomes, and Methods for Assessing Learning of Course Subjects	Subject	Week	Subject Explanation	LO1	LO2	LO3	LO4	LO5		LO6	
	S1	1	Syllabus overview, introduction to the course Introduction to Human Factors								
	S2	2	Environmental Psychology Theories								
	S3	3	Place, Sense of Place, Place Identity, and Place Attachment								
	S4	4	Spatial Behavior: Crowding, Privacy, Personal Space, and Territoriality Behavioral Mapping and Tracking								
	S5	5	Std. Presentation & Critiques								
	S6	6	Physical Factors Detailed review for human dimensions and anthropometrics- anthropometric data								
	S7	7	Detailed review for human dimensions and anthropometrics- anthropometric data								
	S8	8	Midterm								
	S9	9	Principles of Universal Design National and International Universal Standards and Codes Universal Toilet Design								
	S10	10	Std. Presentation & Critiques								
	S11	11	Accessibility in Built Environment								
	S12	12	In class exercise on Accessibility: Experiencing Rehabilitation Center as visually and physically impaired person								
	S13	13	Workshop: AI-Based Non-Ergonomic Space Visualization								
	S14	14	Exhibition of the Posters								
	S15	15	Wayfinding Techniques Workshop: (working as a group) Analysis of Campus Wayfinding and Recommendations for Improvement								

Assessment Methods, Weight in Course Grade, Implementation and Make-Up Rules	No	Type	Weight	Implementation Rule	Make-Up Rule
	A1	Midterm Submission	30%	Students will be evaluated with a midterm submission.	
	A2	Assignments	20%	Students will be evaluated with assignments.	

	A3	Final Submission	50%	Students will be evaluated with a final submission.	
TOTAL			100%		
Evidence of Achievement of Learning Outcomes	Students will demonstrate learning outcomes through weekly homework, in-class assignments, Midterm exams and Final exam.				
Method for Determining Letter Grade	Upon successful completion of all assessment methods, the total scores will be averaged and converted into a final letter grade using the following percentages and grading criteria.				
	ASSESSMENT METHOD	EFFECT ON GRADING	MARK	GRADE	VALUE
	Assignments	20%	A+	-	2,30
	Midterm Submission	30%	A	95-100	2,00
	Final Submission	50%	A-	85-94	1,70
			B+	80-84	1,30
			B	75-79	1,00
		B-	65-74	0,00	
Teaching Method, Student Work Load	No	Method	Explanation		Hours
	Time expected to be allocated by instructor				
	1	Course Hours	Power Point Presentations and Practices		14x2=28 hrs.
	Time expected to be allocated by student				
	2	Weekly homework			4x4=16 hrs.
	3	Midterm Submission Preparation			1x2=1 hr.
	4	Midterm Submission			1x1=1 hr.
5	Final Submission Preparation			1x2=1 hr.	
6	Final Submission			1x1=1 hr.	
TOTAL			51 hrs.		
IV. PART					
Instructor	Name	Asst. Prof. Dr. Yaren ŞEKERCİ			
	E-mail	yaren.sekerci@antalya.edu.tr			
	Phone Number				
	Office Number				
	Office Hours				
Course Materials	Mandatory	<ul style="list-style-type: none"> • Environmental Psychology: Principles and Practices, Robert Gifford, 2002, 3rd, Optimal • Recommended - Reading: Creating Architectural Theory: The role of Behavioral sciences in environmental design, J. Lang, 1987, Van Nostrand Reinhold • Recommended - Textbook: An Introduction to Environmental Psychology, W.H. Ittelson, H.M. Proshansky, L. R. Rivlin, G.H. Winkel, 1974, Holt, Rinehart & Winston • Caan, S. (2011). Rethinking design and interiors: Human beings in the built environment. Hachette UK. • Donald, I. (2022). Environmental and architectural psychology: the basics. Routledge. • Robinson, S., & Pallasmaa, J. (Eds.). (2015). Mind in architecture: Neuroscience, embodiment, and the future of design. Mit Press. 			
	Recommended	Human Factors in the Built Environment by Linda L. Nussbaumer Comfort and Design: Principles and Good Practice edited by Peter Vink			
Other	Scholastic Honesty	Violations of scholastic honesty include, but are not limited to cheating, plagiarizing, fabricating information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Any for of scholastic dishonesty is a serious academic violation and will result in a disciplinary action.			
	Students with Disabilities	Reasonable accommodations will be made for students with verifiable disabilities.			
	Safety Issues				
	Flexibility	Circumstances may arise during the course that prevents the instructor from fulfilling each and every component of this syllabus; therefore, the syllabus is subject to change. Students will be notified prior to any changes.			

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