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	Elective
Course Code	IAED 2159
Course Name	Artifical Intelligance in Design
Language of Instruction	English
Type of Course	Theory
Level of Course	Undergraduate
Hours per Week	Lecture:3 Laboratory: Recitation: Practical: Studio: Other:
ECTS Credit	3
Grading Mode	Letter Grade
Pre-requisites	None
Co-requisites	None
Registration Restriction	None
Educational Objective	The aim of the course is to provide students with information about the areas of use with examples on artificial intelligence, to provide information on basic methods and to enable students to have the ability to use artificial intelligence methods in solving practical problems.
Course Description	The course will enable students to have preliminary knowledge of what they can create in architecture using artificial intelligence and to apply it in their own projects with an exercise.

Learning Outcomes		
	LO1	Students will be able to recognize artificial intelligence concepts and attitudes.
	LO2	Students will gain skills for problem solving in architecture by examining advanced methods.
	LO3	Students will be able to propose solutions with the methods they learned in the field of design.
	LO4	By creating an artificial intelligence model, they can emphasize and develop the subject they apply in their projects.
	LO5	Students will be able to identify research opportunities in this field.

PART II (Faculty Board Approval)

		Program Outcomes	LO1	LO2	LO3	LO4	LO5
Basic Outcomes (University-wide)	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.					
	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.					
Discipline Specific Outcomes (program)	**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)

	Subject	**Week**	**Subject Explanation**	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**
	S1	1	Introduction to the course					
	S2	2	Artificial intelligence using areas, examples, ethics					
	S3	3	Sample of artificial neural network, deep learning, fuzzy logic, Rules					
	S4	4	Prompt in Interior Design outputs AI programs on web					
	S5	5	AI programs on web Classwork					
Course Subjects, Contribution of Course Subjects to Learning Outcomes, and Methods for Assessing Learning of Course Subjects	**S6**	6	AI programs on web Classwork					
	S7	7	AI programs on web Classwork					
	S8	8	Midterm					
	S9	9	Project with SD program basics for interior architecture					
	S10	10	Project with SD program basics for interior architecture					
	S11	11	Visual production processes Classwork					
	S12	12	Announcement the final submission Critiques					
	S13	13	Visual production processes Critiques					
	S14	14	Visual production processes Classworks					
	S15	15	Finalize the final submission Critiques					

	No	**Type**	**Weight**	**Implementation Rule**	**Make-Up Rule**
	A1	**Midterm Project**	20%	Students will be evaluated with a midterm project in mid-semester	
Assessment Methods, Weight in Course Grade, Implementation and Make-Up Rules	**A2**	**Presentations**	20%	Students will prepare presentations	
	A3	**Final Project**	50%	The total content of the course will be evaluated with a final project	

	A4	Classworks		10%	upload LMS system	
	A5					
	TOTAL					**100%**

Evidence of Achievement of Learning Outcomes	Students will demonstrate learning outcomes through weekly presentation, 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		GRADE	MARKS	GRADE	MARKS
Presentations	20%		A+	-	C+	60-64
Classwork	10%		A	95-100	C	55-59
Midterm project	20%		A-	85-94	C-	50-54
Final project	50%		B+	80-84	D+	45-49
			B	75-79	D	40-44
			B-	65-74	F	0-39

Teaching Method, Student Work Load

No	Method	Explanation	Hours
	Time expected to be allocated by instructor		
1	Lecture		3x13=39 h
	Time expected to be allocated by student		
2	Presentations		2x3=6 h.
3	Classworks		4x3=12 h.
3	Midterm Project		1x8= 8 h.
4	Final Project		1x10= 10 h.
TOTAL			**75 hours**

IV. PART

Instructor	Name	Asst. Prof. Dr. Setenay UÇAR
	E-mail	setenay.ucar@antalya.edu.tr
	Phone Number	
	Office Number	.
	Office Hours	4 hours (according to school semestre)

Course Materials	Mandatory	
	Recommended	1.Interior Gardens – Designing and constructing green spaces in private and public buildings by Haike Falkenberg 2.Interior Plantscaping: Principles and Practices by James M. DelPrince 3.The Manual of Interior Plantscaping: A Guide to Design, Installation, and Maintenance by Kathy Fediw 4.Indoor Gardening for Beginners by Timothy S. Morris 5.Urban Jungle: Living and Styling with Plants by Igor Josifovic and Judith de Graff

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.