

ECTS COURSE DESCRIPTION FORM								
PART I ( Senate Approval)								
Offering School	Antalya Bilim University-Faculty of Fine Arts and Architecture							
Offering Department	Architecture							
Program(s) Offered to	Architecture					Must		
Course Code	ARC 4703							
Course Name	Occupational Health and Safety in Architecture I							
Language of Instruction	English							
Type of Course	Theory							
Level of Course	Undergraduate							
Hours per Week	Lecture: 2	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 ; awareness of students about occupational health and safety, learning tasks, responsibilities and legal rights in business life. It is also aimed to gain a culture of occupational safety and awareness in order to work in a healthy and safe environment.							
Course Description	Concept of occupational health and safety, holistic approach to occupational health and safety; a culture of risk prevention at work; the importance of safety culture and its place in everyday life; ensuring the creation and continuity of safety culture; basic principles of occupational health and safety; place of occupational health and safety in business management, healthy and safe life. Hazard and Risk Concepts, Legal Legislation, Risk Analysis and Methods. Worker-machine environment systems, design and development for consumer products, systems, devices and the working environment. To design by considering human performance, anatomical, physiological and psychological capacities and limits. Use anthropometric data in the design of indicators and controls. The effects of environmental stresses on the working environment, safety and health. Occupational accidents data, reasons for accidents, precautions to be taken, legal responsibilities imposed by the employment security law to the employer and the employee.							
Learning Outcomes	LO1	Define the basic concepts of occupational health and safety						
	LO2	To have the knowledge and practice ability to contribute to the occupational health and safety culture						
	LO3	Designing with occupational health and safety priorities						
	LO4	Taking a proactive approach to prevent work accidents						
	LO5	Become a part of occupational health and safety risk assessment and management process						
PART II ( Faculty Board Approval)								
Basic Outcomes (University-wide)	Program Outcomes			LO1	LO2	LO3		
	PO1	Ability to communicate effectively and write and present a report in Turkish and English.				X	X	
	PO2	Ability to work individually, and in intra-disciplinary and multi-disciplinary teams.				X		X
	PO3	Recognition of the need for life-long learning and ability to access information , follow developments in science and technology, and continually reinvent oneself.			X			X
	PO4	Knowledge of project management, risk management, innovation and change management, entrepreneurship, and sustainable development.			X	X	X	X
	PO5	Awareness of sectors and ability to prepare a business plan.					X	X
	PO6	Understanding of professional and ethical responsibility and demonstrating ethical behavior.				X		X
Faculty Specific Outcomes	PO7	Gain the ability of conceptualizing, applying, analyzing, synthesizing and evaluating information effectively (Critical Thinking).			X	X		
	PO8	Produce innovative ideas and products with creativity (Creativeness).				X	X	
	PO9	Gain the ability of leadership, entrepreneurship and self-leadership skills (Leadership and Entrepreneurship).				X		
	PO10	Care about the ethical values and principles; behave in accordance with these in professional and social life (Ethical Behavior).				X	X	
	PO11	Understand, define and reach the information that they need; use information effectively and share it with others (Information Literacy).				X	X	X
	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).					X	X
Faculty Specific Outcomes	PO13	Learns the concepts of architectural design and theories of architecture as well as the intellectual, historical and cultural background to evaluate them from a critical perspective and use them in developing design solutions. One can express one's solutions verbally and in written form. (Knowledge and Ability)				X	X	
	PO14	Knows to express each stage of the design process formally by using hand drawings together with the European Computer Driving Licence and other software technologies. (Knowledge and Communication Competence)				X		X
	PO15	Designing space (environment, construction, building) on different scales that are sensitive to the natural and built environment within the framework of basic design and architectural principles. One also knows research methods. (Knowledge and Ability)			X			X
	PO16	Speak at least one foreign language at B1 General Level of European Language Portfolio to express oneself and to follow developments in the field of architecture. (Knowledge and Communication Competence)			X			
	PO17	Executes an independent project or to take responsibility in multidisciplinary studies, to communicate effectively and share knowledge and competency during the design process. (Competency to work independently and take responsibility)				X		X
	PO18	To knowledge and understanding to analyze building design and systems regarding architectural practice (from prehistoric times to the present). (Knowledge)					X	

Discipline Specific Outcomes (program)	PO19	Develops a design that respectable to cultural heritage and sustainable by recognizing historical and cultural assets and understanding the importance of these values. (Knowledge and Ability)	X	X	X	X	X
	PO20	The necessary knowledge and ability about contemporary restoration theories and preparation of restoration project by using research, documentation and different measurement methods in the process of documenting the current state of historic buildings and environments. (Knowledge and Ability)		X	X		
	PO21	Produces sustainable solutions to current problems by following the developments and technologies in the field of production. (Ability)		X		X	
	PO22	Knows to develop designs about environmental and social sustainability principles, the issues related to disasters and accessible designs that meet community needs. (Knowledge and Ability)	X			X	
	PO23	Gains the ability to use modern technologies in building and environmental design, to develop and produce innovative solutions; learns necessary information about building materials, techniques and structural behaviors, the laws, regulations and standards and includes them in the design process. (Knowledge and Ability)	X	X		X	
	PO24	To gain the basic knowledge of lighting, acoustics, air conditioning and energy use in the design of environmental systems. (Knowledge)		X		X	
	PO25	Knows the historical development of structural systems, types of structural elements such as foundation, wall, flooring, stairs, roof, design, and construction techniques of these elements and applies this information in the projects. (Knowledge and Ability)	X	X		X	
	PO26	Has competence in project management, organization, planning, and leadership for the realization of professional practice and informs individuals and institutions on issues related to a field and shares one's suggestions for solutions to the experts or non-experts in verbally and written form. To produce collaborations and projects with the awareness of social responsibility (Competence to take responsibility and social and Ability)		X		X	X
	PO27	Aware of lifelong learning and identifying the necessary needs for professional development and self-development. (Learning Competence)			X		X
	PO28	Has an awareness of professional and ethical behavior; collects data considering social, environmental, and ethical results. One is responsible for the environment, the professional problems and provides professional services like occupational health and safety within the legal frameworks. (Field Specific Competence)	X	X		X	

**PART III (Department Board Approval)**

Subject	Week	Subject Explanation	LO1	LO2	LO3		
S1	1	Introduction to the course					
S2	2	Occupational Safety Concept	X	X			
S3	3	Occupational Health Concept	X	X			
S4	4	Occupational Health and Safety Legislation	X	X			
S5	5	Risk and Hazard Concepts	X	X			
S6	6	Risk Analysis Methods		X	X		
S7	7	Responsibilities of Architects for Occupational Health and Safety		X	X		
S8	8	Midterm	X	X	X		
S9	9	Occupational Health and Safety Practices in Architecture- I			X	X	
S10	10	Occupational Health and Safety Practices in Architecture- II			X	X	
S11	11	Work Accidents and Statistics		X			X
S12	12	Health and Safety Design	X		X		
S13	13	Architecture Occupational Safety and Worker Health: Student Presentations		X	X	X	X
S14	14	Final	X	X	X	X	X

No	Type	Weight	Implementation Rule	Make-Up Rule
A1	Homeworks	15%	Homeworks will be given for the students over the course content.	-
A1	Presentations	15%	Students will present a pre-defined topic in the classroom.	-
A2	Midterm Exam	30%	Students will be evaluated with a midterm project in mid-semester	-
A3	Final Exam	40%	The total content of the course will be evaluated with a final project.	-
A4	Others			
<b>TOTAL</b>				<b>100%</b>

**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		GRADE	MARKS	GRADE	MARKS
	Homeworks		15%		A+	-	C+	60-64
	Presentations		15%		A	95-100	C	55-59
	Midterm exams		30%		A-	85-94	C-	50-54
	Final exam		40%		B+	80-84	D+	45-49

			B	75-79	D	40-44	
			B-	65-74	F	0-39	
Öğretim Metodları, Tahmini Öğrenci Yüklü	No	Method	Explanation		Hours		
	Time expected to be allocated by instructor						
	1	Lecture+Interactive Lecture	Powerpoint lecturing.		2 hours per week (25 h)		
	Time expected to be allocated by student						
	2	Project					
	3	Presentations			5 hours per semester (5x2=10 h)		
	4	Presentation Preparation			10 hours per semester (10x2=20 h)		
	5	Midterm Exam			15 hrs		
6	Final Exam			20 hrs			
<b>TOTAL:</b>						<b>90 hours</b>	
<b>IV. PART</b>							
Instructor	Name						
	E-mail						
	Phone Number						
	Office Number						
	Office Hours	3 hours					
Course Materials	Mandatory	ILO standards on occupational safety and health: promoting a safe and healthy working environment: International Labor Office , (2009)					
	Recommended	Demircioğlu, Murat " Ulusal ve Uluslararası Hukukta İş Güvenliği Uzmanlığı " , Beta Basım Yayım , (2013) Altın, Mustafa; Taşdemir Şakir "İSG İş Sağlığı ve Güvenliği " , Eğitim Yayınevi, (2017)					
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.					

Form No:ÜY-FR-1064 Yayın Tarihi:06.04.2022 Değ.No:0 Değ. Tarihi:-