ESOGU INDUSTRIAL DESIGN DEPARTMENT

COURSE INFORMATION FORM

Course Name	Course Code
Introduction to Industrial Design	141111002

Semester	Number of Course Hours per Week		Credit	ECTS
	Theory	Practice		
1	2	0	2	3

Course Category (Credit)				
Basic Sciences	Engineering Sciences	Design	General Education	Social
		3		

Course Language	Course Level	Course Type
Turkish	Undergraduate	Compulsory

Prerequisite(s) if any	-
Objectives of the Course	To increase the level of awareness and readiness for industrial design in the design focus by making a general mapping of design and industrial design, To gain knowledge and understanding of design theory and processes
Short Course Content	Definitions and scopes of design and industrial design Design areas and program introduction Design grammar as design theory Design practice

	Learning Outcomes of the Course	Contributed PO(s)	Teaching Methods *	Measuring Methods **
1	Being able to define the field of industrial design in the world and in Turkey,	1, 5, 7, 8, 10	1,2,4	A,D
2	Being able to express the designer's duties, responsibilities,	1, 5, 7, 8, 10	1,2	C
3	Being able to draw a framework for the content of the design act,	1, 5, 7, 8, 10	1,2, 8	C,D
4	Being able to define the design processes	1, 5, 7, 8, 10	1,2, 8	A, I
5				
6				
7				
8				

***Teaching Methods** **1:**Expression, 2**:**Discussion, **3:**Experiment, **4:**Simulation, **5:**Question-Answer, **6:**Tutorial, **7**:Observation, **8**:Case Study, **9:**Technical Visit, **10:**Trouble/Problem Solving, **11:**Induvidual Work, **12**:Team/Group Work, **13**:Brain Storm, **14:**Project Design / Management, **15:**Report Preparation and/or Presentation

****Measuring Methods** **A:**Exam, **B:**Quiz, **C:**Oral Exam, **D:**Homework, **E:**Report, **F:**Article Examination, **G:**Presentation, **I:**Experimental Skill, **J:**Project Observation, **K**:Class Attendance; **L**:Jury Exam

Main Textbook	Gerhard Heufler, Michael Lanz, Mertin Prettenthaler , (2020). Design Basics: From Ideas to Products. Bernhard Bürdek, (2005). History, Theory and Practice of Product Design John Heskett, (2017). Tasarım.
Supporting References	
Necessary Course Material	

Course Schedule	
1	Introduction, syllabus presentation
2	Design definition and design areas
3	Industrial design definition and scope
4	Various design approaches
5	Local and international industrial design professional organizations
6	Design positioning and expectations from the designer
7	ESOGÜ ENTAS program positioning and program presentation
8	Mid-Term Exam
9	Design Grammar: Functions (Practical functions)
10	Aesthetic functions
11	Symbolic functions
12	Design terminology and tools
13	Design forms and principles
14	Design process I
15	Design process II
16,17	Final Exam

Calculation of Course Workload			
Activities	**Number**	**Time (Hour)**	**Total Workload (Hour)**
Course Time (number of course hours per week)	14	2	28
Classroom Studying Time (review, reinforcing, prestudy,….)			
Homework	12	2,5	30
Quiz Exam			
Studying for Quiz Exam			
Oral exam			
Studying for Oral Exam			
Report (Preparation and presentation time included)			
Project (Preparation and presentation time included)			
Presentation (Preparation time included)			
Mid-Term Exam	1	1	1
Studying for Mid-Term Exam	1	8	8
Final Exam	1	1	1
Studying for Final Exam	1	10	10
		Total workload	**78**
		Total workload / 30	**2,6**
		Course ECTS Credit	**3**

Evaluation	
Activity Type	**%**
Mid-term	40
Quiz	
Homework	
Bir öğe seçin.	
Bir öğe seçin.	
Final Exam	60
Total	100

RELATIONSHIP BETWEEN THE COURSE LEARNING OUTCOMES AND THE PROGRAM OUTCOMES (PO) (5: Very high, 4: High, 3: Middle, 2: Low, 1: Very low)		
NO	**PROGRAM OUTCOME**	**Contribution**
1	Within cultural, historical and artistic context the ability to integrate theoretical knowledge about production and consumption mechanisms into the design practice;	5
2	The ability to plan the design process, to choose and use appropriate methods and techniques;	
3	The ability to identify design problems and related sub-problems and to produce creative solutions with a critical and dialectical approach;	
4	The ability to design in terms of spatial thinking using design principles and elements;	
5	The ability to make applications in the interaction of aesthetics and function using design elements and means and to evaluate these applications;	3
6	The ability to visualize and present using two and three dimensional design tools;	
7	The ability to follow and apply technological developments, current design approaches, sustainable production methods, materials and innovations in the field of	4
8	The ability to use field knowledge in industrial design projects by considering the needs and interests of the society and target users within the scope of environmental	4
9	The ability to carry out the design process effectively individually or in a team;	
10	The ability to take an active role in discipline-specific or interdisciplinary studies at the national and international levels.	2
11		
12		

LECTUTER(S)				
Prepared by	Dr. Öğr. Üyesi Hatice Server KESDİ			
Signature(s)				

Date:06.06.2024