ESOGU Faculty of Art and Design
Industrial Design Department
COURSE INFORMATION FORM

SEMESTER	SPRING

COURSE CODE	1411xxx	COURSE NAME	Industrial Design Studio IV

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	Type	Language
6	3	5	0	6	11	COMPULSORY (X) ELECTIVE ( )	Turkish

COURSE CATEGORY				
Basic Education	Design	Natural and Applied Science	Social Science	Art
	X	X	X	

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	1st Mid-Term	1	40
	2nd Mid-Term		
	Quiz		
	Homework		
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	60

PREREQUIEITE(S)	Industrial Design Studio III
COURSE DESCRIPTION	Systems thinking Product ecosystem Participatory design
COURSE OBJECTIVES	Bringing the idea of an ecosystem instead of the single product perception, Exploring current design areas (service, system, experience, etc.) Developing co-designing skills by applying the participatory design approach
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUCATION	With the projects realized in this course, the designer candidate gains awareness not only about the product but also about the life cycle of the designed "thing". S/he develops holistic thinking skills. It comes into contact with different user groups and disciplines and develops collaborative working skills.
COURSE OUTCOMES	Be able to define the product life cycle and the relationship between the phases that make up the cycle, Be able to identify and redesign different technologies, actors and experiences between them in this cycle. Be able to involve different stakeholders in the design process and manage the process in a healthy way
TEXTBOOK	DESIS Network https://rsdsymposium.org/rsd10-proceedings/
OTHER REFERENCES	-

TOOLS AND EQUIPMENTS REQUIRED	Computer, Adobe Photoshop and Illustrator to prepare 2D sketches and layouts, Rhino, Autodesk Fusion, Hypershot, V-Ray programs for depicting and presenting products in 3D

WEEKLY COURSE SYLLABUS	
WEEK	**TOPICS**
1	Introduction of the course, aims, outcomes
2	Systems thinking and ecosystem approach in design, product ecosystem mapping (Techniques and tools)
3	Identifying an element in the ecosystem, research and problem definition
4	Concept development and critique
5	Idea elaboration and critique
6	Idea elaboration and critique
7	Prototyping and critique
8	MID-TERM EXAMS
9	Encountering with stakeholders, exchange of information and experience
10	Field studies for research and problem definition
11	Concept development and critique
12	Concept development and critique with stakeholders
13	Idea elaboration and critique
14	Idea elaboration and critique with stakeholders
15	Co-prototyping and critique
16	FINAL EXAMS

NO	**PROGRAM OUTCOMES**	**Contribution Level**		
		3	**2**	**1**
1	Within cultural, historical and artistic context the ability to integrate theoretical knowledge about production and consumption mechanisms into the design practice;		X	
2	The ability to plan the design process, to choose and use appropriate methods and techniques;	X		
3	The ability to identify design problems and related sub-problems and to produce creative solutions with a critical and dialectical approach;	X		
4	The ability to design in terms of spatial thinking using design principles and elements;		X	
5	The ability to make applications in the interaction of aesthetics and function using design elements and means and to evaluate these applications;	X		
6	The ability to visualize and present using two and three dimensional design tools;		X	
7	The ability to follow and apply technological developments, current design approaches, sustainable production methods, materials and innovations in the field of informatics in design projects;	X		
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 awareness, professional ethics and the laws;		X	
9	The ability to carry out the design process effectively individually or in a team;	X		
10	The ability to take an active role in discipline-specific or interdisciplinary studies at the national and international levels.		X	
1: None. 2: Partial contribution. 3: Complete contribution.				

Instructor(s): Asst. Prof. Dr. Hatice S. KESDİ

Signature: **Date:**