

School of Fine Arts Design and Architecture / Industrial Design

2023 - 2024 Academic Year

DESIGN RESEARCH and THEORY

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
DESIGN RESEARCH and THEORY	EUT2140990	Fall Semester	2+2	3	4
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Seher Oya AKMAN				
Name of Lecturer(s)	Assist.Prof. Hayriye Yasemin SOYLU				
Assistant(s)	Res. Asst. Pelin Efilti Res. Asst. Ezgi Aydoğan				
Aim	This course aims the students to gain awareness on the basic principles of research, to gain knowledge on fundamental research methods while doing research to solve a design problem.				
Course Content	This course contains; What is research? ,Why is research needed? ,What are the research methods to obtain flow of information during the design process? ,Observation Method,Ethnographic Research Method,Interview Method,Mid-term Exam,Questionnaire Method,Focus Group Method,Persona Development,User Scenarios,Behavioural Prototyping,Project Presentations,Final Exam.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
			10, 14, 16, 18, 9		
			10, 13, 18, 19, 9		
			10, 14, 18, 19, 4		
			10, 13, 14, 16, 4	A, D, E	
			14, 2, 21, 8, 9		
			10, 16, 19, 3, 9		
			10, 12, 19, 3, 9		
Teaching Methods	10: Discussion Method, 12: Problem Solving Method, 13: Case Study Method, 14: Self Study Method, 16: Question - Answer Technique, 18: Micro Teaching Technique, 19: Brainstorming Technique, 2: Project Based Learning Model, 21: Simulation Technique, 3: Problem Baded Learning Model, 4: Inquiry-Based Learning, 8: Flipped Classroom Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, D: Oral Exam, E: Homework				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	What is research?				
2	Why is research needed?				
3	What are the research methods to obtain flow of information during the design process?				
4	Observation Method				
5	Ethnographic Research Method				
6	Interview Method				
7	Mid-term Exam				
8	Questionnaire Method				
9	Focus Group Method				
10	Persona Development				
11	User Scenarios				
12	Behavioural Prototyping				
13	Project Presentations				
14	Final Exam				
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources
Students are expected to take notes.Cross, N. (2006). User Requirements and the Design Brief:T211 Design and Designing, Milton Keynes, Open University.
Oygür, I. (2006). Endüstriyel Tasarımcı-Kullanıcı İlişkinin Türkiye Bağlamında İncelenmesi, Endüstri Ürünleri Tasarımı Yüksek Lisans Tezi, İTÜ Fen Bilimleri Enstitüsü, Haziran 2006.