

COURSE RECORD

Code	ARCH 601
Name	Research by Design
Hour per week	4 (3 + 1)
Credit	4
ECTS	9
Level/Year	PhD / 1
Semester	Fall
Type	Compulsory
Prerequisites	-
Description	Course aims to provide an insight to integrated and trans-/interdisciplinary research methods in architecture. These include quantitative, semi-quantitative and qualitative methods derived from natural and social sciences as well as arts and humanities. Students are expected to frame a research-based design solution(s) integrate with other disciplines, depending on their topic/area of research.
Objectives	Classifying design process and its research inputs by revisiting it. Comprehending design process and product as a research output. Integrating design and research to improve innovative perspectives on design. Modifying an interdisciplinary point-of-view on design and research. Reframing design and research processes to develop an inter/trans-disciplinary ecosystem. Emphasizing interdisciplinary collaborations from design issues to create solutions in local and global.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01: Critique the process of a design or its product/artefact from its roots, in an interdisciplinary context. L02: Argue the interactions of the disciplines in design and research. L03: Conceptualize the design problem and communicate the idea by using different means of expression. L04: Propose a research by design as a reference for global issues.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
L01	4	5	5		5		4		4	4	5	5
L02	5	5	5	4	4	4	5	4	4	5	5	5
L03	5	5	5	4	4		5	4	4	5	5	5
L04	5	5	5	5	5	3	5	5	5	5	5	5

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Global Problems, New Perspectives, Design Impact	L01, L02
Research with/and Design	L01, L03
Design Research	L02, L03
Developing Interdisciplinary Paths	L02, L03, L04
Incorporating Research and Design: "Research by Design"	L02, L03, L04

DERS BİLGİLERİ

Kodu	ARCH 601
İsmi	Tasarım ile Araştırma
Haftalık Saati	4 (3 + 1)
Kredi	4
AKTS	9
Seviye/Yıl	Doktora / 1
Dönem	Güz
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	-
İçerik	Ders, mimarlıktaki bütünleşik ve disiplinler-arası/-üstü araştırma yöntemlerine bir bakış açısı kazandırmayı amaçlamaktadır. Bunların arasında doğal ve toplum bilimleri ile sanat ve insan bilimlerinde kullanılan nicel, yarı-nicel ve nitel yöntemler yer almaktadır. Öğrencilerinin, araştırma konu ve alanlarına bağlı olarak, diğer disiplinlerle ilişkilendirilmiş bir araştırma-odaklı tasarım çözümü geliştirmeleri ve sunmaları beklenmektedir.