

Faculty: Architecture and Design

Course Code & Number: ARCH 301

Type of Course: Compulsory

Course Credit Hours: (2+8+0) 6 / 11 ECTS

Language of Instruction: English

Department: Architecture

Course Title: Architectural Design III

Semester: Fall

Pre-requisite: ARCH202 (Architectural Design II)

Mode of Delivery: Face-to-face

INSTRUCTORS

Aylin Alicanoğlu (RA) (Room No: F025)

Can Aker

Ekin Çoban Turhan

Gökhan Kınayoğlu

Heves Beşeli (Room No: D012)

Seray Türkay (Room No: F422)

CATALOG DESCRIPTION

Holistic approach to cultural, social and ecological sustainability. Emphasis on the relationship between the tectonic, structural and programmatic organization and the urban context. Universal Design Principles.

COURSE OBJECTIVE

The course covers design problems on an urban scale by accounting for the cultural, historical and environmental conditions. It underlines the relationship between architecture and urban context and questions the complex relations that a building sets with its environment. In doing so, students are expected to engage in various analytical processes that inform and inspire the study of spatial, structural, environmental, technological and material qualities, which are to be reflected in form, program, construction system and tectonics of architecture.

LEARNING OUTCOMES

Upon successful completion of this course, a student will be able to

1. solve multi-dimensional design problems by focusing on the effects of environmental forces, and cultural, social and historical conditions,
2. define methodological approaches for contextual analyses, form generation processes and the expression of architectural forms in line with the environmental, cultural and historical inputs
3. interpret an architectural program as the formulation of relationships between activities and patterns of use,
4. develop design strategies considering the requirements of the program, structural organization and material qualities
5. design accessible and inclusive environments with integrated solutions

STUDENT WORKLOAD

Hands-on Work 140 hrs, others 160 hrs.

STUDIO RULES

You will be delivered a detailed document on “studio rules” on the first studio day.

GRADING SYSTEM

For each course taken, the student is given one of the following grades by the course teacher. The letter grades, coefficients and percentage equivalents are given below.

AA	4.0 / 100-90
BA	3.5 / 89-85
BB	3.0 / 84-80
CB	2.5 / 79-75
CC	2.0 / 74-70 average
DC	1.5 / 69-60
DD	1.0 / 59-50
F	0.0 / 49-0
FX	0

EVALUATION *tentative*

Assignments: %25

Pre-Jury I: %15

Pre-Jury III: %15

Final Jury: %35

Contribution and Attendance: %10

WEEKLY SCHEDULE *tentative*

WEEK 01	Introduction
WEEK 02	Case Studies
WEEK 03	Field Trip & Site survey
WEEK 04	Analysis: Urban Conditions
WEEK 05	WHAT IF: Site Conditions & Architectural Tectonics
WEEK 06	Conceptual Design: General layout of the site + Massing + Programmatic Distribution
WEEK 07	Pre-Jury I: Conceptual Design
WEEK 08	Synthesis: Topography + Programmatic Distribution + Structural system
WEEK 09	Design Development: Plan & Section Organization
WEEK 10	Design Development: Plan & Section Organization
WEEK 11	Pre-Jury II: Design Development
WEEK 12	Detailed Design: Façade + Material + Landscape
WEEK 13	Detailed Design: Façade + Material + Landscape
WEEK 14	Detailed Design & Final Representation (all drawings + models)
FINAL JURY	The date will be announced later from Moodle.

SUGGESTED READINGS

Allen, S. & McQuade, M. *Landform Building : Architecture's New Terrain*, Lars Müller, 2011.

Aureli, Pier Vittorio. *The Possibility of an Absolute Architecture*. Cambridge, Mass.: The MIT Press, 2011.

Boyer, M. Christine. *The City of Collective Memory; Its Historical Imagery and Architectural Entertainments*. Cambridge, Massachusetts: The MIT Press, 1994.

Bozdoğan, Sibel and Akcan, Esra. *Modern Architectures in History: Turkey*, London: Reaktion Books, 2012.

Burns, Carol and Kahn, Andrea (eds). *Site Matters: Design Concepts, Histories and Strategies*. London: Routledge, 2005.

Canizaro, Vincent (ed). *Architectural Regionalism: Collected Writings on Place, Identity and Tradition*. New York: Princeton Architectural Press, 2007.

Corner, J. *Recovering Landscape: Essays in Contemporary Landscape Architecture*, Princeton Architectural Press, 1999.

Foster, Norman and Abel, Chris. *Carre d'Art, Nîmes: Foster + Partners*. Munich: Prestel, 2011.

Frampton, Kenneth. "Critical regionalism." *Perspecta: The Yale Architectural Journal* 20 (1983): 147-162.

Frampton, Kenneth. *Modern Architecture: A Critical History*. London: Thames & Hudson, 1985.

Jäger, Frank Peter (ed). *Old and New: Design Manual for Revitalizing Existing Buildings*. Basel: Birkhäuser, 2010.

Knox, Paul L. *Palimpsests: Biographies of 50 City Districts: International Case Studies of Urban Change*. Basel: Birkhäuser, 2012.

Koolhaas, Rem and Mau, Bruce. *S, M, L, XL*, New York and Rotterdam: The Monicelli Press, 1995.

Kostof, Spiro. *The City Assembled: Elements of Urban Form Through History*. London: Thames and Hudson, 1992.

Kostof, Spiro. *The City Shaped: Urban Patterns and Meanings Through History*. London: Thames and Hudson, 1991.

Lobsinger, Mary Lou. "Cedric Price: An Architecture of Performance," *Daidalos* 74 (2000): 22-29.