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)

Can Aker

Ekin Çoban Turhan

Derin İnan

Seray Türkay

CATALOG DESCRIPTION

Analysis, design and intervention in a historic context. Values, potentials, and problems of historic sites and buildings. Principles of cultural heritage conservation. Relationship between the tectonic, structural, and programmatic features. Architectural program interpretation. Universal Design principles. Holistic approach to environmental, cultural, social, and historical inputs.

COURSE OBJECTIVE

The course covers design problems by accounting for the cultural, historical and environmental conditions. It underlines the relationship between architecture and local context and questions the complex relations that a building sets with its environment by assessing the values, potentials and problems of the historic context at hand. 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, students will be able to:

1. Interpret principles of cultural heritage conservation for assessing the values, potentials and problems of historic sites and buildings,
2. Define methodological approaches for analyses and design to intervene a local context in line with its cultural-historical values,
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. Apply universal design principles for producing accessible, safe, and inclusive environments with integrated solutions,
6. Solve multi-dimensional design problems by focusing on the effects of environmental forces, and cultural, social and historical conditions.

STUDENT WORKLOAD

Hands-on Work 112 hrs, others 248 hrs.

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*

Students will be evaluated on the basis of the quality and process of the work, the completion of assignments, and contribution to the studio environment. It is reminded that proper, elaborate and regularly updated documentation of the studio work on the weblog is an important part of the evaluation.

Assignments: %15
Pre-Jury I: %20
Pre-Jury III: %20
Final Jury: %35
Contribution: %10

WEEKLY SCHEDULE *tentative*

WEEK 01	Introduction & Site Visit (Ankara Castle)
WEEK 02	Urban Analysis & Structural Studies
WEEK 03	**Field Trip & Site survey**
WEEK 04	Analysis: Urban Conditions
WEEK 05	WHAT IF: Site Conditions & Architectural Tectonics & Case Studies
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.*

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.

Moussavi, Farshid. *The Function of Form*, Cambridge, Massachusetts: ACTAR, Harvard Graduate School of Design, 2009.

PERIODICALS

Architectural Record; Architectural Review; Domus; El Croquis; Arredamento; Mimarlık; Yapı; XXI

ARCHITECTURAL WEBPAGES

Archdaily: http://www.archdaily.com/
Arkitera: http://www.arkitera.com/
World of Architecture: http://www.worldofarchi.com/