

Faculty: Architecture

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

Prerequisite: ARCH202 (Architectural Design II)

Mode of Delivery: Face-to-face

Instructors:

Berin F. GÜR, Onur YÜNCÜ, Cansu CANARAN, Cem ALTINÖZ, Güneş DUYUL

COURSE OBJECTIVE

The main pedagogical agenda for the third year architectural design education is to expand upon the design methodologies developed in the second year, where students are expected to acquire an understanding of the interwoven relationship between human scale, human experience, space, structure, materiality and tectonics. The third year extends the subject matter to include the fundamental parameters of urban context that embraces historical, social and cultural conditions, environmental factors and program, which are considered foundational to the discipline of architecture.

The first semester of the third year architectural design studio (Arch 301) covers design problems in urban scale by accounting on the environmental, cultural, social and historical conditions. The studio aims at developing an urban-based architectural understanding so that it urges you to consider the total environment of architecture that is not restricted to the shaping of form, but dwells on multi-layered complex relations, operating at multiple scales in an urban context. The social, cultural and economic issues (e.g.: user profile, land-use patterns, and etc.) and the physical and spatial qualities of existing urban environments (e.g.: topography, orientation, landscape, and etc.) are not only the effects that are the result of architecture, but also form the context within which architecture is at play.

LEARNING OUTCOMES

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

1. solve multi-dimensional design problems considering urban context, urban typologies and multi-functional needs of the environment and the users
2. define methodological approaches for form generation processes and the expression of architectural forms
3. define a collaborative design process and be able to take part in a group
4. analyze the architectural characteristics of an urban environment in reference to its social, historic and physical context

EVALUATION

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: 10%

1st Jury: 10%

2nd Jury: 10%

3rd Jury: 15%

Final Jury: 45%

Weblog, Class Contribution and attendance: 10%

Late submission:

Late work will not be accepted unless it qualifies as excused. All assignments are due at the date and time indicated. Late assignments if otherwise accepted will be downgraded. Incomplete work is generally discouraged. Severe incompleteness will be evaluated based upon the degree of incompleteness. All assignments are due in completed form.

GRADING SYSTEM

For each course taken, the student is given one of the following grades by the course instructor. 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 unsatisfactory
F	0.0 / 49-0 fails to follow requirements of the assignment
FX	0

LANGUAGE

The studio discussions and all of your presentations will be in English. Developing your verbal language skills will be very important in acquiring design terminology as well as daily communication in the studio.

STUDIO RULES

Students are strongly encouraged to work in the studio during and outside of class time and to take advantage of the shared learning environment to discuss their work with their peers, but each student is expected to respect for each other and for the work environment at all times. Students will remain in the same studio section, at the same desk, for the whole academic year. Since design studio constitutes the backbone of your architectural education, all students are required to attend every studio session and activities and expected to actively participate in all discussions and pin-ups. Assignments must be submitted and presentations should be performed on the time. As future architects you are responsible from the proper use and maintenance of studio space. It is important to keep studio space neat, clean and organized for achieving a better studying environment. Clean the space around you and your tables regularly. Any cutting activity directly on your tables or any surface (walls, floors etc.) at the studio without using proper cutting mats or cutting glass and using permanent color in the studio space are strictly forbidden. Defacing any school property within the studio space will not be tolerated.

ATTENDANCE

Attendance is mandatory at all scheduled classes. Studio is held Tuesday and Friday beginning at 9:00 AM and ending at 15.00 PM. Any student arriving after 9:15 AM will be considered late and arrivals after 10:00 AM will be considered as absent. The only excused absences are those for reasons of documented health or crisis issues, and you must alert your critic or the studio coordinator. Unexcused absences, late arrivals, or early departures from class will reduce your course grade. You may not leave class early or after a desk critique. Use your studio time creatively and productively so that you are not simply waiting for your critic.

SUGGESTED READINGS

Akcan, Esra. "Siedlung and the Metropolis," *Architecture in Translation* (Durham & London: Duke University Press, 2012):148-175.

Akcan, Esra. "Siedlung and the Generic Rational Dwelling," *Architecture in Translation* (Durham & London: Duke University Press, 2012):175-195.

Alexander, C., Ishikawa, S., Silverstein, M., Jacobson, M., Fiksdahl-King, I., Angel, S. *A Pattern Language*, (New York: Oxford University Press, 1977)

Allen, Stan. *Points + Lines: Diagrams and Projects for the City* (NY: Princeton Architectural Press, 1999).

Cooper, Clare. "The House as the Symbol of the Self," (Uni. Of California at Berkeley, Working Paper Series, 1974).

Correa, Charles. *A Place in the Shade: The new Landscape & Other Essays* (India: Penguin Books, 2010). [recommended pages: 188-197]

Corner, James. *Recovering Landscape: essays in contemporary landscape architecture*, (Princeton Architectural Press, 1999)

Çelik, Zeynep. "Learning from the Bidonville. CIAM looks at Algiers," *Harvard Design Magazine*, N.18, (Spring/Summer 2003): 71-74.

Erman, Tahire. "Kentsel Dönüşüm Projesi ile Dönüşen/Dönüş(e)meyen Yaşamlar: Karacaören-Toki Sitesindeki Günlük Yaşam Pratikleri," *Dosya* 27, (Aralık 2011):25-31.

French, Hilary. *Key Urban Housing of the Twentieth Century: Plans, Sections and Elevations*, Key Architecture Series (W. W. Norton & Company, 2008)

"Kentsel Dönüşüm Tartışmaları 1", *Dosya* 01 (Mayıs-Haziran, 2006)
<http://www.mimarlarodasiansankara.org/dosya/bulten-40-dosya.pdf>

"Kentsel Dönüşüm Tartışmaları 2", *Dosya* 02 (Ağustos, 2006)
<http://www.mimarlarodasiansankara.org/dosya/dosya2.pdf>

"Kent ve Konut", *Dosya* 20 (Eylül, 2010)
<http://www.mimarlarodasiansankara.org/dosya/dosya20.pdf>

Koolhaas, Rem. *S, M, L, XL*, (N.Y: Monacelli Press, 1995)

Lynch, Kevin. *The Image of the City*, (MIT Press, 1960)

Nesbitt, Kate (Ed.). *Theorizing A New Agenda for Architecture: An Anthology of Architectural Theory*, (NY: Princeton Architectural Press, 1996)
(Suggested Chapter: "Chapter 6: Urban Theory After Modernism: Contextualism, Main Street, and Beyond", pp.: 266-331).

Rossi, Aldo. *The Architecture of the City*, (MIT Press, 1984)
(Suggested Chapters: "Introduction", pp.: 20-27; "Chapter 2: Primary Elements and the Concept of Area", pp.: 62-101.)

Rowe, Peter. *Modernity and Housing*, (The MIT Press, 1993)

Russell, James S. "Where Architecture is Urban Design," *Architectural Record*, vol.193, no.3 (March 2005): 62-66.

Schittich, Christian. *In Detail: High-Density Housing*, (Birkhäuser Architecture, 2004)

Serageldin, İsmail. "The Architecture of Housing: A Survey of the Issues", In *The Architecture of Housing*, edited by Robert Powell (Singapore: Concept Media/Aga Khan Award for Architecture, 1990):22-30.
<http://archnet.org/system/publications/contents/3584/original/DPC0246.pdf?1384775673>

Serageldin, Mona A. "The Development and Morphology of Informal Housing". In *The Architecture of Housing*, edited by Robert Powell (Singapore: Concept Media/Aga Khan Award for Architecture, 1990):50-73.
<http://archnet.org/system/publications/contents/3646/original/DPC0248.pdf?1384775860>

TIME TABLE

PHASE 1 - ARCHITECTURAL FIRM (WEEK 1) - September 27-30

Assignment 1: Establish an architectural firm / name the firm + logo design

PHASE 2 - DATA COLLECTION (WEEK 2-3) - October 4-14

Assignment 2: Site Study + Contextual Analysis

documentation of the context / surrounding built and natural environment / topography / pedestrian-vehicular traffic / landscape-green areas / land-use pattern / user profile

Assignment 3: Case Studies + Text Readings

Text Readings on:

Modern Collective Housing: *Siedlung* & Garden City / Urban Transformation Projects & Implementations: TOKİ case

October 4 → Discussion: Text Readings + Site Visit

October 7 → Submission: Case Studies

October 11 → Discussion: *How to present and visualize spatial data*

Table discussions with the firms

October 14 → Submission: Site Study + Contextual Analysis

PHASE 3 / STRATEGY & PROGRAM DESIGN (WEEK 4-6) - October 18-November 4

Assignment 4: Development of Design Strategy → SITE PLAN DECISIONS

Assignment 5: SCALE: from ROOM to HOUSE to CITY to HOUSE to ROOM

Assignment 5.1: Development of Program → SCENARIO DESIGN

Organization of everyday life practice / designing patterns of habitation and dwelling

October 18 → Submission: 1/500 SITE MODEL

Discussions on related issues:

community improvement; urban neighborhood (as a cultural-social hub); urban transformation; urban regeneration; urban renewal; gentrification; dwelling; habitation; parcel arrangement; mass production; standardization; apartment buildings; 1+1, 2+1, 3+1 apartment units and etc.

→FIRST JURY // November 4, 2016 @9.00

PHASE 4 / DESIGN DEVELOPMENT (WEEK 7-14) - November 7-December 30

Reconsider patterns of housing as to enhance community integration and social interaction / Rethink forms and spaces of urban dwelling as to link domesticity and urbanism together / Speculate, invent and design new possibilities that can **reintroduce the existing housing-residential fabric** as an urban space promoting better living conditions for the community life.

→SECOND JURY // November 29, 2016 @9.00

→THIRD JURY // December 20, 2016 @9.00

→FINAL JURY // January 6, 2017 @9.00