

Faculty: Architecture
Course Code & Number: ARCH 302
Type of Course: Compulsory
Course Credit Hours: (2+8+0) 6 / 11 ECTS
Language of Instruction: English

Department: Architecture
Course Title: Architectural Design IV
Semester: Fall
Pre-requisite: ARCH301 (Architectural Design III)
Mode of Delivery: Face-to-face

Instructors:

Berin Gür, Onur Yüncü, Cansu Canaran, Cem Altınöz, Ziya İmren, Güneş Duyul, Irmak Yavuz

CATALOG DESCRIPTION

Holistic approach to cultural, ecological, and social sustainability. Development of architectural program and integration of advanced structural and technological systems into design process.

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 second semester of the third year architectural design studio (Arch 302) covers design problems by focusing/accounting on the effects of environmental forces, and cultural, social and historical conditions. 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 considering historical and context, city, culture and social values
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 the context and develop design strategies

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.

Assignment 1, 2 and 3:10%

1st jury: 10%

2nd jury: 10%

3rd jury: 15%

Final Jury: %40

Contribution, Weblog and Attendance: %15

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 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 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. **Failing to attend 30% of the studio sessions (42 hours of total absence) will result in failing!**

SUGGESTED READINGS / BOOKS

Tschumi, Bernard. *Manhattan Transcripts* (N.Y. & London: Academy Editions, 1st edition: 1981, 1994).

Jencks, Charles and Karl Kropf (Eds.). *Theories and Manifestos of Contemporary Architecture*, Sussex: Wiley Academy, 2006.

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", 266-331).

Johnston, Pamela (Ed.), *Architecture Landscape Urbanism 2: Living Room* (London: AA Publications, 1999).

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

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

10x10 (Phaidon Press, 2000).

10 X 10 _ 2 100 Architects 10 Critics (Phaidon Press, 2005).

10x10_3 (Phaidon Press, 2011).

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/>

**ARCH 302_MAIN PROJECT: CITY BAZAAR****PHASE 1 / INTERPRETATIONS (WEEK 1-5) – February 14- March 17****Assignment 1: Case Studies + Text Readings**

Traditional, Historical and Contemporary Urban Bazaars / Design, Culture and History of Bazaars / Types of Bazaars: in terms of function and spatial organization (form) / structure + architectural features + spatial and social practices / role of bazaar in city / arcade + caravanserai + *han* + *arasta* + *bedesten*

Submission: Assignment 1 // February 21@ 09.00

Lectures on (structure and history of) İzmir // February 24 @ 13.30

Cana Bilsel (Prof. Dr.)

Assignment 2: Site Study

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

Site Trip: İzmir // February 25-26

Submission: Assignment 2 // March 3@ 09.00

Lectures on (structure and history of) İzmir

İlhan Tekeli (Prof. Dr.)

Assignment 3: SCALES

thinking extra-large, large, medium and small in the context of bazaar / enriching our understanding of and approach to architecture and its programing

Thinking in Powers of Ten by Charles and Ray Eames

A Documentary Video by Eames Office (1977): "Powers of Ten and the relative size of things in the universe"

<https://www.youtube.com/watch?v=OfKBhvDjuv0>

"Thinking big and small: Tools for teaching and understanding the importance of scale."

<http://www.eamesoffice.com/education/powers-of-ten-2/>

Submission: Assignment 3 // March 14@ 09.00

Submission: 1/500 SITE MODEL // March 17

PHASE 2 / STRATEGY & PROGRAM DESIGN (WEEK 5-7) – March 17 –March 31

development of design strategy for "CITY BAZAAR", which will generate the architectural form from the forces of the site and the requirements of the program

Assignment 4: Readings of the Context: İzmir Kemeraltı

city as a laboratory / learning from the city / urban context / social & physical interactions / borders / thresholds /

Assignment 5: Development of Design Strategy and Program / SITE PLAN DECISIONS + SCENARIO DESIGN

development of an open framework that does not define fixed conditions in design yet suggests possibilities in design

FIRST JURY // March 31, 2017 @9.00

SPRING BREAK (WEEK 8) – April 4-7**PHASE 3 / DESIGN DEVELOPMENT (WEEK 9-15) – April 11-May 23**

focus on the effects of environmental forces, and cultural, social and historical conditions / engagement in various analytical processes that inform and inspire the study of spatial, structural, environmental, technological and material qualities of the design proposal / speculate, invent and design new possibilities that can reintroduce bazaar as an urban space that promotes social interaction among the inhabitants of the city

SECOND JURY // April 21, 2017 @9.00

THIRD JURY // May 12, 2017 @9.00

FINAL JURY // May 29 - June 2 @9.00