



Faculty: Architecture
Course Code & Number: ARCH 401
Type of Course: Compulsory
Course Credit Hours: (2+8+0) 6 / 12 ECTS
Language of Instruction: English

Department: Architecture
Course Title: Architectural Design V
Semester: Fall
Pre-requisite: ARCH302 (Architectural Design IV)
Mode of Delivery: Face-to-face

Instructors:
Namık Erkal
Room No: D10 - E:
Ziya İmren

CATALOG DESCRIPTION

Multi-dimensional architectural design and planning problem. Integrative analysis of program, context, structure, and technologies. Advanced use of modes of representation.

COURSE OBJECTIVE

This course aims to provide the practice of a study of a multi-dimensional architectural design and planning problem that incorporates the structural, functional and contextual complexities. It aims to develop a comprehensive architectural design processes through integration of urban design theories, methods and techniques, structural and environmental systems.

LEARNING OUTCOMES

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

1. synthesize the tools and strategies experienced and learned in previous semesters to conduct a comprehensive architectural design
2. explore theoretical, programmatic, contextual, and material basis of the design work
3. be able to conduct a project design research on structural, contextual, historical, social issues and make use of relevant data
4. formulate a design solution within a complex urban site
5. have proficiency in the representation of design process through using various tools and methods such as drawings, physical models, digital models
6. work both independently and in a group

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 (1st jury): 15%

Assignment 2 (2nd jury): 10%

Preliminary Jury: 10%

Final Jury: 50%

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...

SUGGESTED READINGS / BOOKS

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

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

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

Koolhaas, Rem. *Delirious New York: A Retroactive Manifesto for Manhattan*, N.Y: The Monacelli Press, (1st edition 1978), 1994.

MAS CONTEXT, issue: 16 "Production" (Winter 2012). [<http://www.mascontext.com/16-production-winter-2012/>]

Nesbitt, Kate (Ed.). *Theorizing A New Agenda for Architecture: An Anthology of Architectural Theory*, (NY: Princeton Architectural Press, 1996)

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/>

TERM PROJECT:

EMSALSIZ: WITHOUT MEASURE / WITHOUT PRECEDENT

A PROPOSAL FOR OYAK FACTORY SITE IN SÖĞÜTÖZÜ

In the last decades large-scale urban projects in the metropolitan areas have been challenging architectural design in respect to complexity, program, materiality, mobility and scale. Likewise in Turkey, the recent urban transformation projects are shifting the existing paradigms where the urban codes present unprecedented conditions. Rather than bringing measures of uniformity, these rules denote exceptional measures of construction for certain sites. Such a context of "bigness" coerces the conventional precedents of architecture as well. Prophesized by Rem Koolhaas in 1990s this is a new scale where architecture has to rethink its essentials.

In the first semester of the Fourth year design studio (where according to the curriculum objectives, large-scale urban projects are to be assigned) we have chosen to introduce the challenges that the contemporary urban condition imposes on architecture by conceptualizing the word *emsalsiz*. Here, the Turkish word *emsalsiz* is used in two senses. First it points to the becoming obsolete of *emsal*, which is originally an urban measure defined as "the ratio of the building floor area in relation to the land" (TAKS). In the recent urban transformation projects this ratio is so high and exceptional that *emsal* ceases to be a measure. This is a condition "without measure" that can be coined as *emsalsiz*. As the congestion and scale increases the conventional architectural types and urban typologies are almost impracticable. As such we may refer to the second meaning of *emsalsiz* that is "without precedent". In architecture *emsalsizlik* may both point to a crisis of representation but may also be taken as a possibility for innovation and originality.

It is not an easy task to introduce the student of architecture with *emsalsizlik*. We have designated the whole semester into a continuous exercise formed of a set of interrelated assignments. In the first stage -noting that the change in scale, urban complexity and program is a major problem of cognition for the students- the project work is initialized by mapping an existing urban setting where codes and precedents are continuously challenged. As part of group work the students are asked to analyze, diagrammatize and document a newly developing urban center as a case. The site where the exercise will be performed is the northern section of the Eskişehir Road from the Konya Yolu Junction to the Çukurambar underpass, part of the recent urban center known generically as the Söğütözü district. The plots facing this larger area are also to be included. Besides the mapping on large scale, the architectural types and urban typologies on the location will also be documented in order to comprehend the architectural scale of the vicinity; each group will be responsible for certain buildings. The *emsal* of each plot and building will also be documented both in the sense of scale and also in the sense of its possible precedents.

The outcomes of these analyses will be taken as the basis for the definition of the program of the second assignment where a specific plot within the larger district is given as the project site; the site of the OYAK Renault factories. This a parallelogram plot in between the Eskişehir Avenue, Yaşam Avenue and 3rd Street, which has a ground area of approximately 20 000 m². The triangular open area in between the TOBB Hospital and the site is also in responsibility of the students that will be designed as an open public space with underground parking. In phase 2 the students will propose their urban strategy to develop the site towards the public integration of the whole district and write a program for the assigned *emsal*. In the final phase individual design projects will be detailed from 1/500 to partial 1/200 scales.

TENTATIVE SYLLABUS / ARCH 401 ARCHITECTURAL DESIGN V

Introduction (Week 1)

Introduction to the term exercise; ascertaining the groups for mapping; introductory debate on the main concepts of the project:

1. geomorphology and landscaping
2. mobility and access
3. plan update and physical morphology
4. land-use, functions and viability
5. boundaries and security
6. silhouette and site elevation/sections

Reading assignment: "Young Turkish Architects of Globalization", A. Akcan; S. Bozdoğan, *Turkey, modern architecture in history*, Reaktion Books, pp. 261- 297.

"Bigness: or the Problem of Large", Rem Koolhaas; in C. Jencks and K. Kropf (eds) *Theories and Manifestos of Contemporary Architecture*, Wiley, pp. 307-312.

PHASE 1: URBAN MAPPING (week 2-4) GROUP WORK panel critiques

Proposals for the methods and examples of mapping; site visit and survey (individually by each group)

Lecture on Eskişehir Yolu, Ela Alanyalı Aral
Baykan Günay

Architecture of Söğütözü Ali Osman Öztürk

Reading assignment: Ankara Urban Atlas

Submission and jury: 21 October, Friday, 2016 @9.00

Site model to be completed

PHASE 2: TOWARDS THE URBAN INTEGRITY OF SÖĞÜTÖZÜ:

SCENARIO and URBAN STRATEGY (5-7) GROUP WORK panel critiques

Project contextualization, concepts, intentions, program proposals, mass model

Submission and jury: 11 November, Tuesday, 2016 @9.00

PHASE 3: (Week 7 –13) INDIVIDUAL WORK panel and table critiques

Submission and jury: 06 December, Tuesday, 2016 @9.00