

HOUSING ARCHITECTURE

A FIELD OF INNOVATION IN EDUCATION, ACCOMMODATION AND PUBLIC SPACE

**SPATIAL TRILOGIES
IN MOSCOW,**

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A FIELD OF INNOVATION IN EDUCATION, ACCOMMODATION AND PUBLIC SPACE

SPATIAL TRILOGIES IN MOSCOW,

ITU DEPARTMENT OF ARCHITECTURE '17'18 SPRING SEMESTER GRADUATION PROJECT JURY B

THEME

The theme of the graduation project is Housing Architecture:
Spatial Trilogies in Moscow, A field of innovation in architecture,
accommodation and public space.

JURY

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SCOPE OF THE GRADUATION PROJECT

The project consists of these stages:
> The project – architectural design work
> Workshops
> Preliminary jury sessions
> Sketch-problem
> Final jury session

THE AIM OF THE GRADUATION PROJECT

The graduation project is expected to prove that each student possesses the understanding and ability necessary for the profession. It requires the knowledge and skills to produce an architectural solution that demonstrates competence to make design decisions about a single project while demonstrating broad integration and consideration of design knowledge and decisions across systems and scales. Students must be able to build abstract relationships and understand the impact of ideas, based on the research and analysis of contexts related to architecture; the critiques throughout the process are intended to contribute to this, by providing a learning medium for developing the understanding and ability of students. While including all the concerns stated above, the basic premise of the graduation project is to produce an architectural solution as the product of an integrative design process.

PROJECT

The project will be the outcome of the students' studies on the given subject and especially their personal arguments and efforts. The result is expected to be developed in guidance of the specified architectural program, urban context and other conditions concerning the location and program.

Starting from this terminal (accommodation, convention hall, ... a key point of the conceptual approach, gaining a meaning within the proposed structure (kurgu)

Extending to the city in order to open up the city to public participation, exchange of ideas and practices between professionals and public

Workshops

WS1. Disclosing Moscow (21 February)

Ordinary Map of Moscow... Each student is expected to map the everyday life of 3 Moscowians, an architect/artist, an author, and an ordinary local. The aim of this mapping is to get a grasp of the urban space, the organization and operation of the city, and the spirit of different times of Moscow.

Extra-ordinary Guide of Moscow... Each student will produce a personal guide of Moscow by focusing on a given theme (an endemic, local spatial characteristic, that which other cities don't have). The themes may be such as: communal kitchen, underground -2, ...

WS2. Housing Architecture (28 February)

A Manifesto for "Housing Architecture", A poster (text and image)
Program
10.00-13.00 Discussion of manifestoes
15.30-16.30 Zeynep Günay, On Moscow
18.00 Exhibition Opening: Visionary Architecture (Studio-X İstanbul)

JURY SESSIONS

Students will present their projects to the jury for their evaluation and critiques at indicated dates. All required drawings and other documents should be prepared and handed in on time for the review and evaluation of the jury. In these sessions, the jury members will share their critiques and comments on the proposals of students. Submissions should be made personally to the evaluation committee one day before the indicated date, between 16:00-17:00. Students are required to attend all scheduled jury sessions; otherwise, this will be grounds for failure of the project. During the day jury sessions will take place, all students are expected to be present at 09:00 at the jury room and make the spatial organization for the jury to review the posters and presentations. The jury meeting will start at 9:30 sharp. Students are required to submit an A3 summary sheet of their projects on the day of the jury meeting.

SKETCH PROBLEM

Sketch-problem is another important component of the graduation project. The aim of this work is the assessment of student's design performance related to his/her professional knowledge and ability, within a limited time interval. It is compulsory to take the exam, which will take place on, April 18, 2018 Wednesday.

FINAL JURY

Final Jury will be held for the presentations and explanations of the completed projects. Besides that, the jury members may ask the students different questions in order to gain insight about the students' competency of knowledge and his/her approach to architecture in general.

The final evaluation and grading includes all the stages, i.e. the final project, preliminary and final juries, and the sketch-problem together; the project should not be regarded as the single input for the final evaluation.

DOCUMENTS TO BE SUBMITTED TO STUDENTS

- . Research kit (booklet, e-library, visual content)
- . CAD files of the Moscow and the site (digital)

REQUIRED MATERIAL FOR JURY EVALUATION

Although the material for diploma projects' evaluation is specified for every jury session, every student may be asked by the jury members to produce additional documents in different scale or with different content, according to their specific approach to the problem.

PROJECT TIMETABLE

Submission of the project brief

February 7, 2018 Wednesday / 14.30 / 3402

Deadline for submitting questions

February 14, 2017 Wednesday / 17.00 / Students' Office

Announcement of the answers

February 16, 2017 Friday / 14.00 / Students' Office

Research Workshop 1

February 21, 2018 Wednesday / All day / will be announced

Research Workshop 2

February 28, 2018 Wednesday / All day / will be announced

Submission of documents for 1st Jury

March 13, 2018 Tuesday / 16.00-17.00 / 3402

1st Jury

March 14, 2018 Wednesday / 9.30 / 3402

Submission of documents for 2nd Jury

April 10, 2018 Tuesday / 16.00-17.00 / 3402

2nd Jury

April 11, 2018 Wednesday / 9.30 / 3402

Sketch-problem

April 18, 2018 Wednesday / 09.30-18.00 / 3400

Submission of documents for 3rd Jury

May 15, 2018 Tuesday / 16.00-17.00 / 3402

3rd Jury

May 16, 2018 Wednesday / 9.30 / 3402

Final Submissions

June 11, 2018 Monday / 16.00-17.00 / 3402

Final Jury

June 12, 2018 Tuesday / 9.30 / 3402

ПРОСТРАНСТВЕННЫЕ
ТРИЛОГИИ В МОСКВЕ

FIRST JURY

The aim of the first jury is to define and present;

> the general approach to the theme, and the development of a personal interpretation,

> conceptual approach, development and detailing of the building program with possible, preferably creative and unique scenarios,

> site-specific issues, the extents of site and general organisation,

> subjective approach to the concept of "housing architecture," and the architectural program developed accordingly.

With this aim, the following is expected to be submitted:

> **1/2000 model(s)**, which present the general conceptual and site-related issues,

> **1/500 models:** a series of partial models that sample and produce the proposed conceptual approach of "housing architecture,"

> **conceptual and diagrammatic models in appropriate scales**, those which reflect and discuss the conceptual approach to architectural space.

> **sketch book and working sketches.**

SECOND JURY

In the second jury, the students are expected to present;

> the approach developed after the reviews of the first jury,

> the development of the subjective approach to the concept of "housing architecture," and the architectural program developed accordingly.

> the ways in which the proposed architectural program offers spatial and temporal relationships, exchanges, life, and circulation.

With this aim, the following is expected to be submitted:

> **1/2000 model(s):** development of the previously produced 1/2000 models,

> **1/500 models:** development of the previously produced 1/500 models and new 1/500 models, which presents the architectural concept, form, relationships, circulation, tectonic approach, structural decisions, and experiential potentials,

> **sectional and partial models in appropriate scales,**

> **storyboard:** a series of perspectives from the visitors' point of view,

> **1/500 sections:** section drawings that show vertical spatial relationships, relationships between the shared and private spaces, entrances, relationships between open and closed spaces, structural system, the proposed everyday life,

> **1/500 plans:** plan drawings that show vertical spatial relationships, relationships between the shared and private spaces, entrances, relationships between open and closed spaces, structural system, the proposed everyday life.

THIRD JURY

In the third jury, the students are expected to present:

> the approach developed after the reviews of the second jury,

> the development of the subjective approach to the concept of "housing architecture," and the architectural program and the structural system developed accordingly.

With this aim, the following is expected to be submitted:

> **1/500 models:** development of the previously produced 1/500 models and new 1/500 models, which presents the architectural concept, form, relationships, circulation, tectonic approach, structural decisions, and experiential potentials,

> **sectional and partial models in appropriate scales,**

> **storyboard:** the developed series of perspectives from the visitors' point of view,

> **1/200 sections:** section drawings that show vertical spatial relationships, relationships between the shared and private spaces, entrances, relationships between open and closed spaces, structural system, the proposed everyday life,

> **1/200 plans:** plan drawings that show vertical spatial relationships, relationships between the shared and private spaces, entrances, relationships between open and closed spaces, structural system, the proposed everyday life,

> **1/50 model of systems section:** a model that shows structural details (load bearing elements, materials, light). A unique part in the architectural design is required to be chosen for the systems model, in order to show the ways in which conceptual approach is supported by and produced in close details.

FINAL JURY

> **1/2000 model(s),** which present the general conceptual and site-related issues,

> **conceptual and diagrammatic models in appropriate scales,** those which are developed from the first jury onwards in order to reflect and discuss the conceptual approach to architectural space.

> **sketch book and working sketches.**

> **1/500 models:** development of the previously produced 1/500 models and new 1/500 models, which presents the architectural concept, form, relationships, circulation, tectonic approach, structural decisions, and experiential potentials,

> **sectional and partial models in appropriate scales,**

> **storyboard:** a series of perspectives from the visitors' point of view,

> **1/200 sections:** section drawings that show vertical spatial relationships, relationships between the shared and private spaces, entrances, relationships between open and closed spaces, structural system, the proposed everyday life,

> **1/200 plans:** plan drawings that show vertical spatial relationships, relationships between the shared and private spaces, entrances, relationships between open and closed spaces, structural system, the proposed everyday life,

> **1/50 model of systems section:** a model that shows structural details (load bearing elements, materials, light). A unique part in the architectural design is required to be chosen for the systems model, in order to show the ways in which conceptual approach is supported by and produced in close details.

> **An architectural design brief, max. 500 words.**

> **CD:** The final submission posters (300 dpi., jpeg) and the architectural design brief.

Final submission may be organized in either max. 6 A0 or 12 A1 vertical and mounted boards.

SPATIAL TRILOGIES IN MOSCOW,

DEFINITION AND CONCEPTUAL FRAME OF THE THEME

This diploma project aims to highlight the pioneering role of architecture in the flourishing of life and society in their multiplicity and variety. Through this project, we intend to open to discussion the potentials, architecture would suggest for alternative forms of education, accommodation, and public space. "Housing architecture" refers to both architecture housing these potentials and a structure together with a program that houses (provides place for) architecture and allows new experiments to be made in terms of architectural innovations. In addition, "spatial trilogies" reminds us that complex and hybrid urban systems need to be considered in suggesting a field for innovative architecture.. In a minutely controlled and ceaselessly ordered city like Moscow, innovative architecture may only grow within the complexity and hybridity the city holds. In order to get a grasp of different facets of the city from afar, we will research everyday lives of its people, differences created from building the city with intentions similar in other urban cases, and the revolutionary constructivist visions brought into the world's imagination.

PROGRAM

In compliance with the aims of promoting political, social and cultural interactions, each student is expected to develop a program which offers free and equalitarian educational facilities, open field for experiments of architecture by international and local students and professionals, alternative forms of accomodation for visitors and locals, and shared spaces. The program for the built environment is required to be a total of 30.000 m3.

Within this context, program and project could include and consider the following titles and notes:

> **A space/place for working, talking and experimenting architecture**

[Consider the schools/institutions of architectures, architectural competitions/juries, fares/biennales, museums/galleries; and re-search on experimentation, exhibition, and schooling in art, architecture, and design]

> **A space/place for accommodation**

[Accommodating change! Consider the different modes of accommodation... and different inhabitants as locals, outsiders, tourist, artists, architects, homeless; and re-search on the new modes of dwelling, housing... for today and future of Moscow]

> **A space/place for the creative confrontations for the public...**

[Think about the re-creational public life and leisure activities of Moscow –at the foot prints of past, such as the art-theaters... coming from the 1920's, and look for their future visions in relation to today's dynamics of daily life...]



SITE

Moscow, with its unique urban conditions, will be considered in defining the spatial, material, and programmatic requirements of the architectural design. The extents of the site will be defined by each student, yet the Novo-Ryazanskaya Bus Terminal will be at the key point in organising the site and program. Detailed information about the Terminal can be followed from next parts.

Today the garage of trucks on Novo-Ryazanskaya street, 27 is an architectural monument. It was built in the period from 1926 to 1929 in the style of the Russian avant-garde. The original project was executed by the architect Konstantin Melnikov and the Moscow engineer Vladimir Shukhov.

In the strict, laconic, monumental facade and in the combination of keeled, round and rectangular elements of the facade of the building, the features of constructivism are seen.

Description of the garage

The garage in the plan has a shape resembling a giant horseshoe. Such an unusual layout (for 104 parking lots) of the garage was chosen by Melnikov because of the inconvenient triangular shape of the plot allocated for building. The horseshoe-shaped parking scheme developed by the architect ensured the compact placement of the maximum possible number of trucks in a given area and their convenient entry and exit from the garage.

On Novo-Ryazanskaya street, the expressive facade facades of the building come out. Round windows in the upper part of the keel-like facades contrast with large, elongated, vertically, rectangular windows located on each side and rectangular windows of the administrative building located in the center. According to the project, in the keeled projections of the facades were massive gates, providing convenient entry and exit (today there are only gates, the rest are laid with glass masonry). The metal floors of the garage are designed by the engineer V. Shukhov whom famous for his hyperboloid constructions and Melnikov highly valued.

History of the garage

By 1948, the garage was redeveloped and since October 19, the 4th bus fleet started working here. [1] At that time there were 115 ZIS buses of models No. 8 and No. 16, which were transferred here from the Bakhmetevsky garage. In October 1949 the first ZIS-154 was received by the bus fleet, in 1955-1957 the park was reconstructed and ZIL-158 entered it. By the beginning of 1962 there were 395 ZIL-158 buses in the bus park, although the garage complex was designed for only 250 cars of this class. In January 2003 the park served the routes No. 7, 14, 15, 17, 21, 36, 46, 74, 79, 83, 122, 125, 131, 141, 211, 231, 237, 254, 615, 617, 620, 645, 676, 703, 723, 773, 773k, 783, 792, 792k, 811. 811k,

Until 2014 in the garage on Novo-Ryazanskaya Street was the 4th bus park. To the garage building on the inner and outer sides adjoin numerous annexes built in recent decades and distorting the historical appearance of the building.

Now in this building there is a branch of the Novokosinsky bus-trolleybus park, which took the number of this park in the general numbering of buses, and the new, 9th number in the numbering of trolleybus.

In 1997, the Moscow City Duma Decree was adopted, which the garage building was assigned to the list of historical and cultural monuments allowed for privatization. [2]. But even today, in the former garage for trucks, Mosgortrans buses serving Moscow's passenger routes are located.

In February 2005, the Government of Moscow decided to build new operational branches of Mosgortrans, with the aim of moving the park from the territory of Central Administrative District [3].

Notes

[1] Moscow Bus

[2] "On the list of real estate objects classified as historical and cultural monuments permitted for privatization" Decree of the Moscow City Duma of June 25, 1997 No. 43

[3] "On the reservation of land for the relocation of branches of Moscow City State Unitary Enterprise" Mosgortrans "from the Central Administrative District of Moscow" Order of the Government of Moscow dated August 7, 2006 No. 1541-RP

ПРОСТРАНСТВЕННЫЕ
ТРИЛОГИИ В МОСКВЕ

ЖИЛИЩНАЯ АРХИТЕКТУРА
ОБЛАСТЬ ИННОВАЦИЙ В ОБРАЗОВАНИИ, ЖИЛЬЕ И ОБЩЕСТВЕННОЕ ПРОСТРАНСТВО

ПРЕОБРАТВОРИТЕЛЬНЫЕ ТРАНСФОРМАЦИИ В МОСКВЕ