

Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences



Graduation Plan: All tracks

Submit your Graduation Plan to the Board of Examiners (Examencommissie-BK@tudelft.nl), Mentors and Delegate of the Board of Examiners one week before P2 at the latest.

The graduation plan consists of at least the following data/segments:

Personal information	
Name	Jingyu Xu
Student number	4895908

Studio		
Name / Theme	Urban Architecture	
Main mentor	Paul Vermeulen	architecture
Second mentor	Jelke Fokkinga	building technology
Research mentor	Leeke Reinders	research
Argumentation of choice of the studio	This year's theme is bricolage, emphasizing a kind of experimentation and sense of life. I have always been interested in bottom-up architecture and space in the city. I hope to explore the interaction between this bottom-up construction and top-down design.	

Graduation project	
Title of the graduation project	A Study on the Connection of Urban Space with Student Apartments under a Limited Width
Goal	
Location:	Njimegen
The posed problem,	conflicts between buildings which built at different time which lead to the neglect of urban space and cause a lot of lost space Low discovery of the site value in city center Sever lack of accommodation
research questions and	How to reconstruct the order of site? How to use public space to connect both exist urban space and surrounding building which built at different time? How to achieve high density for accommodation in a limited width while creating communal spaces with quality?

design assignment in which these result.	A residential complex with commercial program on ground floor and student apartment above.
Process	
Method description	
<p>At the beginning we tried to use a top-down manner to explore the commercial characteristics of the mainly building, a shopping mall, including finding technical drawings of the mall from archive and reading existing research reports on commercial development in the city centre. Later we made detailed drawings of the internal and external commercial sections and elevations combined into axial side drawings, including human behaviour in these spaces and the practices that take place as a way of observation. Then later we introduced video interviews to obtain information directly from the people involved in the base, and combed all the information through the process of editing the film to build a bottom-up perception of the base.</p> <p>For studying the relationship between architectural boundaries, I decide to use the approach from typology to collect information on the boundaries within the nijmegen. For each point selected for analysis I will represent the information by using plan, section and axonometric drawings. The plan is used to represent the depth of the boundary space, the section mainly reflects the height and width scale of the space and the axonometric is used to reflect the details on the façade.</p> <p>In the next specific project design, I will use case study and comparison to analyze the organization of residential and communal spaces in residential projects of different widths from the sections as a reference for the design.</p>	

Literature and general practical preference

Rossi, Aldo, and Peter Eisenman. The architecture of the city. MIT Press. 1982.
Bill Hillier and Julienne Hanson. The Social Logic of Space - Cambridge University Press. 1984
Kevin Lynch. The image of the city. MIT Press. 1960
Claude Lévi-Strauss. The Savage Mind. MIT Press. 1962.
Colin Rowe. Collage City. MIT Press. 1978
Robert Venturi. Complexity and Contradiction in Architecture. 1966
Roger Trancik. Finding Lost Space: Theories of Urban Design. 1986

Reflection

1. What is the relation between your graduation (project) topic, the studio topic (if applicable), your master track (A,U,BT,LA,MBE), and your master programme (MSc AUBS)?

The theme of Urban architecture graduation studio is bricolage this year, which is used to refer to a way of solving problems with things at hand. Due to the limitations of tools, solving a certain problem is the core pursuit, and this means ignoring the side effects of this solution. This is very similar to the approach of modernist architecture which only go after the inner goal and finally create a lot of problem for city space. In my graduation project, I will reconstruct the order of site and discuss the balance between inner goal for the building and exterior need for city and re-examine the role of architecture in the city.

2. What is the relevance of your graduation work in the larger social, professional and scientific framework.

Rossi argues that the city as a whole and its grace is made up of many different moments of formation, and that the synthesis of these periods is the unity of the city as a whole. Urban renewal is organic, just like the ship of Theseus, every new piece replacement should not lead to the loss of the original function. No building in the city exists independently. When discussing the balance between the internal and external forces of the building, it is the justice of the external urban space.