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](mailto: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

<table>
<thead>
<tr>
<th>Name</th>
<th>Emma ten Bosch</th>
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</thead>
<tbody>
<tr>
<td>Student number</td>
<td>4218353</td>
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</tr>
</tbody>
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## Studio

<table>
<thead>
<tr>
<th>Name / Theme</th>
<th>Veldacademie</th>
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<tbody>
<tr>
<td>Teachers / tutors</td>
<td>Lidy Meijers, Leo van den Burg, Otto Trienekens</td>
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<tr>
<td>Argumentation of choice of the studio</td>
<td>At Veldacademie I was able to define my own project, combining multiple themes of my interest: housing, heritage-transformation and a sociological view on architecture.</td>
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## Graduation project

<table>
<thead>
<tr>
<th>Title of the graduation project</th>
<th>Ik blijf op Zuid!</th>
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<tbody>
<tr>
<td></td>
<td>Wonen in de Ambachtsschool</td>
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## Goal

<table>
<thead>
<tr>
<th>Location:</th>
<th>Former school building (Ambachtsschool), Hillevliet 90, Rotterdam</th>
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<tbody>
<tr>
<td>The posed problem,</td>
<td>Residents moving upward the socio-economic scale [NL: <em>sociale stijgers</em>] are of great importance to the disadvantaged districts of Rotterdam-South. They contribute to the social mobility and to the social and financial capital in the neighbourhoods. In the current situation there is a lack of suitable houses for these residents, which causes them to move away from Rotterdam-South to more suitable houses elsewhere. To retain this target group in their current neighbourhood or district, their housing needs have to be met.</td>
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<tr>
<td>research questions and design assignment in which these result.</td>
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<tr>
<td>What are the housing needs of residents moving upwards the socio-economic scale in Rotterdam-South, and which design principles can be used to meet them? The assignment is to transform a former school building — located on the edge of the neighbourhoods of Hillesluis and Bloemhof — into dwellings that meet the housing needs and wishes of the previously defined target group. The design should draw from the research outcome, applying the design principles in a way that is maximizing the potential of the existing building. The heritage of the building and its surroundings should be taken into consideration while determining the preferred interventions for the new use.</td>
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**Process**

**Method description**

**Research:**
1. Vakoefening – studio specific course
   - The exploration of the chosen neighbourhoods is done as part of an independent research on social interaction in the public space. In small groups a literature study is conducted, followed by street interviews, urban analysis and observations.
2. Literature study on the housing needs and wishes of the target group.
3. Analysis of previously completed architectural projects that were designed for the same or similar target group.
4. In-depth interviews with a few residents that belong to the target group, in order to confirm or invalidate the findings of the literature study, while using the projects from the analysis as examples.

**Building analysis:**
- Cultural-historical analysis of the building and its surroundings
- Value-assessment
- Analysis of the current social and physical characteristics of the neighborhood/district

**Literature and general practical preference**


Precedents:
1. De Oriënt, Den Haag
2. Le Medi, Rotterdam
3. Orkide Evleri, Rotterdam
4. Nieuw Leyden, Leiden
5. Kanaleneiland, Utrecht
6. Remisehof, Rotterdam
7. De Landbouwbuurt, Rotterdam

Besides this, precedents of transformed school buildings will be used as inspiration. The current housing market will be taken as framework for the housing design.

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)?

At Veldacademie, the urban development of Rotterdam is the broader field in which every graduation student defines his/her own project. My graduation project is part of this development, in two different ways:

a. The building I chose is vacant, and will be transformed from a school to dwellings. The way in which the building is developed will have a big impact on the neighbourhood and by that an impact on the city.

b. One of the current developments in Rotterdam is the ‘upgrading’ of the disadvantaged neighbourhoods in Rotterdam-South, which is part of the National Programme Rotterdam-South. Retaining my chosen target group in their current neighbourhood or district is also one of the targets of this programme, which makes it highly relevant.

By stating that the design I make for the transformation of this building is relevant for the socio-spatial situation of the city of Rotterdam, it falls in line with the vision of the Architecture track: “to develop creative and innovative building projects that use design as a means to deal with the technical and spatial challenges encountered in the built environment”. I am using design analysis and literature studies as, and these research methods fit well within the scientific Master programme.
2. **What is the relevance of your graduation work in the larger social, professional and scientific framework.**

Building transformations will be of increasing importance in the field of architecture due to the decreasing amount of space available, especially in The Netherlands. Also the research on housing needs can be significant for the course of architecture. Individualization, globalization and immigration are factors contributing to the diversity within our society. A more diverse society will result in more diverse housing needs and ways of dwelling, and the architect needs to be well informed of the future users of his design. Lastly, transforming public real estate into private housing is done more and more frequently, which asks for consideration of the effects on the built environment. My graduation project is part of this consideration by taking into account the choice of target group, the desirable effects on the neighbourhood and the value of the built heritage.