Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences
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

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<thead>
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### Studio

<table>
<thead>
<tr>
<th>Name / Theme</th>
<th>City of the future</th>
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<tr>
<td>Teachers / tutors</td>
<td>Roberto Cavallo, Maurice Harteveldt</td>
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#### Argumentation of choice of the studio

I have chosen the studio City of the future because of multiple reasons:

1. The studio tries to combine multiple disciplinaries, I have always been really interested in combining different techniques and approaches. I think using knowledge of different fields of study can really benefit a design process. It also gives me the opportunity to combine architecture and urbanism.

2. The study combines futuristic thinking with practical problems. On the one hand you are free to choose your own topic, think about how the future is going to be, you are able to dream big. At the same time the studio is grounded in today’s problems and practice. I really like this combination.

3. The studio has a lot of freedom, you are free to have a more theoretical approach or a more experimental approach. It is up to your own preference and what fits your topic.

4. The most important reason is the teachers. I did a master 2 project with Roberto and Maurice. I really liked their teaching style I think it fits my own approach to architecture.

### Graduation project

| Title of the graduation project | The post war neighbourhood and the city of the future: Bridging the gap between station area development and neighborhood |
**Goal**

| Location: | Delft Zuid station and adjacent neighbourhood Voorhof |

| The posed problem, | When development is realized without attention to the adjacent post war neighborhood, the new development will emphasize the gap between the disadvantaged residents, concentrated in these neighborhoods, and the new residents. The development surrounding the station area, built in order to promote sustainable mobility, increase density and designed by circular methods becomes a clear expression of socio-economic inequality. |

| research questions and | Main research question: How can the momentum of the station area development be used to increase the quality of living in Voorhof?  
Sub questions:  
1) Which are the architectural and urban aspects that attributed to a lower quality of life in Voorhof?  
2) How do the goals of transit-oriented development correspond with the improvement of the architectural and urban quality of Voorhof? |

| design assignment in which these result. | The research will result in a design assignment that is focused creating a station area that contributes to the quality of living in the existing neighbourhood. Important aspects are preserving the existing qualities in the neighbourhood (dense but not crowded and embracing the green character of the neighbourhood). Furthermore improving the lack of functions in the neighbourhood has to be tackled.  

The station area development, diversifying and intensifying the area, has to take into account the accessibility. Accessibility must be interpreted in a broader view; it is not only a feature of the transportation node, of many modes of transportation are available or how many destinations are reachable with an hour. But also, of the place, how many and how diverse are the activities, who can participate. |

**Process**

**Method description**

In the process multiple research methods are use:

Qualitative research: will be based on various methods, such as ethnographic (Field trips and living in the neighbourhood myself) and phenomenological (semi structured interviews with residents and municipality), are used to get an understanding of the experience of living in a post war neighbourhood.

Literature review: A literature review is conducted to create the theoretical framework on the
relationship between inequality, quality of life and the quality of the build environment. In combination with a study on transit-oriented development this will lead to the design assignment.

Typo-morphological research: leads to the possibility of making general statements about the relationship between type, physical structure and the quality of living in the neighbourhood.

And with research by design, using models and drawings, the combination between improving the post war neighbourhood (enhancing the current strong elements, improving the bad elements) and the wishes of the municipality, creating a dense, sustainable, vibrant work and living area is made spatial.

**Literature and general practical preference**


Vienna, Austria: Österreichischer Kunst- und Kulturverlag.


https://issuu.com/deltametropool/docs/20131127_maak_plaats__deltametropool

**Reflection**

1. **What is the relation between your graduation topic and the studio:** The relation between my topic and the graduation studio is the multidisciplinary element in my design project. And the futuristic and at the same time very practical and local approach.

2. **What is the relevance of your graduation work in the larger social, professional and scientific framework:** my position is that regional development can be used for more than achieving the goals of regional and national planning. By widening their scope, by studying the local scale, planning can include the problems of disadvantaged neighbourhoods. These locale problems can be linked to national and regional transitions to use the momentum of governmental actions.”