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>Xiao Sun</th>
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<tbody>
<tr>
<td>Student number</td>
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### Studio

<table>
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<tr>
<th>Name / Theme</th>
<th>Interiors, Buildings, Cities</th>
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| Teachers / tutors | Mark Pimlott and Susanne Pietsch (architectural design studio mentors)  
|               | Prof Daniel Rosbottom (architectural design critic and mentor)  
|               | Irene Cieraad (research seminar leader)  
|               | Willemijn Wilms Floet (research workshop leader)  
|               | Mauro Parravicini (building technology mentor) |

| Argumentation of choice of the studio | The studio offers opportunities for me to think about and design architecture in different scales and levels – City, building and interior. Besides, after having done the MSc 2 studios – Tools for design - under this chair, I found that this studio pays close attention to the practical training, which focuses on the atmosphere of space, detail design and etc. This attracts me a lot. So I want to learn in this studio and enhance my design ability in these aspects. |

### Graduation project

| Title of the graduation project | Spaces of collection, City as an archive |

### Goal

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<th>Location:</th>
<th>Gasthuisplaats, Delft</th>
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<td>The posed problem,</td>
<td>Due to some historical reasons, the buildings and campus of the Delft University of Technology moved out of the city center which has weakened the link between the city and the university not only on spatial level but also on social and cultural levels. This isolation</td>
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undoubtedly generates negative effects on the development of both entities.

<table>
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<th>research questions and</th>
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<td>How to rebuild the active connection between the university and the city of Delft by an urban institution is the main research question of this project, which could instill new energy to the old city center and, meanwhile, offer an opportunity for the university embedding Delft students and academics in the city itself and, meanwhile for the public to re-understand the TU Delft.</td>
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<th>design assignment in which these result.</th>
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<td>The design assignment is to design a complex of 'spaces of collection' to be situated in Delft’s historical center for the accommodation and display of artefacts of various university collections, suggesting the university’s physical return to the city after a hiatus of some eighty years.</td>
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The main problem now existing is the disconnection between the city and the Delft University of Technology which is not only on the spatial level, but also on the cultural and social level.

In my opinion, in order to repair this broken relationship, the physical return by building a TU Delft institution in the historical city center is not enough. We should also set proper programme and arrange attractive activities for this institution to bridge the gap between the city and the university, the residents and the students.

The potential user groups and activities happened in this institution are the keys to solve the problem. The building is only providing a suitable place for these activities. So in the research seminar of this studio, I mainly focus on the research of potential user groups of this proposed project. Besides university students, how to attract local residents to visit this new building is the key to rebuild the connection between the city and the university.

**Process**

**Method description**

- Preliminary research – Context and typology:
  1. Literature reading
  2. Context and site research
  3. Typology study of the city of the Delft (studio research workshop)
  4. Sociological research (studio research seminar)
  5. Precedents study and analysis (Design studio)
- Medium research by design – Architectural Design:
  6. Modeling (site model, volume model, interior model)
  7. Study on the space structures, forms and detailing
  8. Study on construction and detail of joints.
  9. Prototype of big model to exam the construction and material.

**Literature and general practical preference**

**The literature**

-Begg Iain.


-Bureau Louter

-Chapain, C. and Lee, P.
  2009 Can we plan the creative knowledge city? Perspectives from western and eastern Europe, Built Environment 35: 157-164.

-Clark, B.

-Cooke Philip.

-Gemeente Delft
  2007a, Strategy memorandum: Economy, Delft.

-Knight, R.

-Martin Kraaijestein

-Marina Van Geenhuizen, Peter Nijkamp

-Morgan, K.

-Moulaert, F., Martinelli, F., Swyngedouw, E. and González, S.

-Thomas Bender
**general practical experience/precedent**
- Palazzo della Ragione, Padova
- Aula Magna, Palazzo del bo, Padova
- Palazzo Ducale, Venezia

**Reflection**

**Relevance**

This project proposes a move of the TU Delft to the historical center as both a further invitation to the public, and a way of embedding Delft students and academics in the city itself. In the larger social and scientific framework, it is a logical and desirable project to reunite the city and the university.

Under this consideration, in my opinion, a city living room which is a multi-function hall open to the public will bring valuable benefit to the city and its residents. This living room is supposed to provide a meeting place for local residences, students and even tourists, in which people can enjoy performances, attend lectures and debates and visit exhibitions. Meanwhile, this space is also an archive, a storage room for the TU Delft collection, which enable the users can realize the long history of the university. By this mean of combination of functions, activities and users, we could build an inherent connection between the city and the university.

**Time planning**

**Research Workshop and Research Seminar**

2016.9.6-2016.10.4
Research Workshop: Typological research on buildings and spaces in Delft

2016.10.11-2017.1.9
Research Seminar: seminar concerning the core purposes of the project's situation in society, its place in the city, and its users.

**Excursion**

2016.11.18-2016.11.23 Milano Torino

**Design Studio**

P1 2016.9.6-2016.11.17
- Delft research summary conclusions.
- Delft collections and their public appearance and conclusions.
- Precedent research and conclusions.
- Site analysis, site model and drawings.
- P1 models and documents as ideas.

P2 2016.11.18-2017.1.12
- Graduation plan
- Urban draft master plan 1:1000, relation to Delft spatial and built typologies
Programme / list of requirement / the idea of the project, argumentation, studies, use of research seminar that support the thesis of the project
- Draft design (plans, sections, elevations) 1:200, drawings on A2 panels
- Model of proposal to fit into 1:200 site model
- Interior model and model pictures/images concerning details, materials and atmosphere
- Individual research documents from the design studio, the workshop and the research seminar
- Report 1&2&3 concerning the project programme.

P3 2017.1.13-2017.3.23
- Draft reflection
- Plans, facades, cross-cuts, model 1:200 / 1:100
- Part of the building, plan and cross-cut 1:50
- Facade fragment with horizontal and vertical cross-cut 1: 20
- Building technology, detail drawings and model 1:5
- Interior model and model pictures/images concerning details, materials and atmosphere

P4 2017.3.24-2017.5.18
- Theoretic and thematic support of research and design
- Final reflection on architectonic and social relevance
- Site 1:1000
- Plan ground level 1:500
- Plans elevations, sections 1:200
- Model 1:200 and interior model 1:33
- Model concerning certain aspects, structural and detail
- Part of the building, plan and drawings 1:50
- Facade fragment with hor. and vert. cross-cut 1: 20
- Details 1:5

P5 2017.5.19-2017.6.29
- Model making and summary of outcome.