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:

<table>
<thead>
<tr>
<th><strong>Personal information</strong></th>
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<tbody>
<tr>
<td><strong>Name</strong></td>
<td>Samantha Elschot</td>
</tr>
<tr>
<td><strong>Student number</strong></td>
<td>4279093</td>
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<td><strong>Telephone number</strong></td>
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<td><strong>Private e-mail address</strong></td>
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<tr>
<th><strong>Studio</strong></th>
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<tbody>
<tr>
<td><strong>Name / Theme</strong></td>
<td>Heritage and Architecture – Revitalising Heritage</td>
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<tr>
<td><strong>Main mentor</strong></td>
<td>Lidy Meijers</td>
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<td><strong>Second mentor</strong></td>
<td>Frank Koopman</td>
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<tr>
<td><strong>Delegate</strong></td>
<td>Leo van den Burg</td>
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<th><strong>Argumentation of choice of the studio</strong></th>
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<td>I've always been interested in the history of buildings. The story of a building makes me curious. Many buildings in the Netherlands become vacant while some of them are of great value to the city and its inhabitants. It is a challenge to redevelop the existing building stock instead of building new. I intend to find a harmonious and valuable dialogue, a balance, between different layers of history and the layer I will add.</td>
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<td>Besides, I grew up in Lichtenvoorde, which is close to the project location in Winterswijk. Normally, project locations of the studios at TU Delft are located in the west of the Netherlands or abroad. I find it interesting to do a project that is close to me and takes place on a smaller scale.</td>
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<th><strong>Graduation project</strong></th>
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<td><strong>Title of the graduation project</strong></td>
<td>The breakfast club: Grensland college. Creating a community school in and for Winterswijk and region.</td>
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<th><strong>Goal</strong></th>
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<tr>
<td><strong>Location:</strong></td>
<td>Eucalyptuspark, Winterswijk, Nederland</td>
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<td><strong>The posed problem,</strong></td>
<td>The conducted research on a small settlement can serve as an example for other small settlements. These towns have specific qualities and significance in the region that are often based on a certain historical development of the town. They often fulfill a regional function with certain services. The spatial character or a town and its</td>
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<tr>
<td><strong>General problem (studio booklet)</strong></td>
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surroundings is often the combination of green, mainly by agricultural activities and built structures or residential areas, infrastructure, services, institutes and industrial areas. The specific character per town attracts people to live there. Nowadays many areas around these settlements have efficient industrial horizontal box buildings. Considering the values whether a small settlement is essential for the future development of small settlements.

Regional problem
A current problem in the Achterhoek region is shrinkage. The group of people missing in the Achterhoek is between 20 and 40 years old. This group leaves the Achterhoek for other places in the Netherlands. Often because of study, friends and work. At the same time, the same number of people over 40 are coming to the Achterhoek. As a result, there is an age distribution that can ultimately lead to a population decline if the number of children per household does not increase and no extra people come from outside.

Problem of the building
The Raadhuis has been vacant for several years because the municipality of Winterswijk became larger and more services were provided. The Raadhuis could no longer meet the requirements that the building had to have. Since 2009, the municipality has moved to a new building on Spoorstraat. The vacant Raadhuis is only used for the council meeting a few times a month and the wedding room can be used for wedding ceremonies. All other spaces are vacant. A few years ago, the tourist office was moved to the ground floor of the town hall in the southern wing.

Not only the vacancy is a problem, the building also has technical problems such as the poor insulation. Special copper windows are characteristic of the building, but the thermal conductivity is high, making the windows form a heat leak in the building. Thereby the temperature in the building is difficult to control, which results in undesirable comfort.

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<tr>
<th>Research questions and</th>
<th>Main research question: What is the significance of the Raadhuis in the region of Winterswijk?</th>
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<td>With different sub questions: 1. What can be transformed with the new function of the Grensland college? 2. How to deal with the open green plot now that it will become a campus? (What is and makes a campus?)</td>
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3. How can the history of the building and surrounding take part of the future design?

| design assignment in which these result. | By choosing a function for the town hall, the building and the environment will be revitalized. The challenge is to make appropriate interventions in the building while at the same time maintaining characteristic elements of the building and the environment with the requirements of the new function.

The main focus of this research is to retain the characteristics and elements with a lower value to adjust or demolish in and around the Raadhuis. With the chosen function, the Grensland College (MBO-plus school) and the Dorpshuis (social center) must become the social communal area with the characteristic elements of the surrounding and the building. This social zone together with the Cultuurkwartier and the shopping area will form the bustling/vibrant center of Winterswijk, where everything is close together in one spot.

Important starting points here are function, users and heritage that led to my concept: the breakfast club. A reference to a film in which different types of students were under detention in one room and had to find a way to work together. In my concept this can be compared to various functions and users together under one roof of the Raadhuis. |
Process

Method description
The first main input is the P1 analyse of the Raadhuis. The analysis was subdivided into a cultural assessment, the technical and the architectural analysis. This forms the background information of the project and helps me to understand what is valuable for the building, surrounding and people. The second input is the actuality of the shrinkage problem. Shrinkage in the Achterhoek takes place on different levels and is an important point on the agenda of the Achterhoek Board and municipalities.

The research is done by different media:
- Location analysis
  Several field trips made to Winterswijk and the surroundings of the Raadhuis in combination with desk research on architecture, technology and cultural value.
- Small excursions
  Self-organized small excursion to view different redevelopment areas or inspiring buildings for my function.
- Reference projects
  Desk research into projects with the same function as mine.
- Literature
  For collecting information and requirements for users and functions. It is also used to form an image of the type of building; school and type of landscape; campus

The design will be made based on this research method and will be elaborated in sketches, model making and computer drawings & 3D impressions.

Literature and general practical preference

Literature:

Others:
Newspaper articles
- Haggeman, H. (2018). ‘Jongeren van 20, 21 jaar verlaten in flinke aantallen de Achterhoek’. Received on 11 November 2019, from


Policy


References:

- Den Diek, Lichtenvoorde
- Bredero College, Amsterdam
- Old School, Utrecht
- Janskerkhof & Drift (ramen), Utrecht
- Cultuurpark Westergasfabriek, Amsterdam
- Park Groot Schijn, Antwerpen

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 research conducted by the students in the studio can serve as an example for other small settlements in the Netherlands. These types of cities have an important
function within the region and have specific qualities that have arisen through the historical development of the city. By looking at the value of such a city, it can be determined whether the small settlement is essential for future development. My graduation topic is in line with the goal of the studio to set an example. The location in Winterswijk was deliberately chosen for the current problem of the region and a corresponding solution. A good connection with the region, the location near the border with Germany and the fact that no comparable education is available (MBO / HBO) have made Winterswijk the most suitable location. Because the program (Grensland College) will actually be realized, my research will be considerably useful. This together fits well within the master track Architecture. The project will be designed in an existing vacant building; the Raadhuis. The challenge lies in making architecture from something that is already architecture. I have to find a good balance between the historical layers and the future layer that I will add myself. A challenge and issue that occurs in multiple places in the Netherlands and the world. In the master's program we (students) are expected to come up with innovative ways for more sustainable development. The reuse of the existing building stock is a solution for this. This broadens my knowledge and skills for designing from a physical and social perspective where technology and engineering are important.

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

The graduation project will give an answer to the social question of shrinkage in the Netherlands. While the countryside is becoming thinner, the density is increasing in the major cities in the Randstad. Why? Employment, friends, study and facilities. But the places that become vacant have more to offer than people know. By responding to the qualities of the cities in a certain region, people try to make the region attractive again. In my project, education is offered in the sectors (health care and technology) in which the region is skilled, but where there is also a shortage of employees. By attracting young people to the region through study, they will automatically become acquainted with the area and the existing innovative companies. Because of this the young people hopefully want to stay or come back in the future. Making a good design for this school for this special target group will be enormously important for the appeal of Winterswijk.

On the other hand a lot of the existing buildings are left vacant or do not meet the current requirements to functions to its full extent. This also applies to the small settlements that are deflated by the shift of younger people to the Randstad. This means finding an appropriate solution to give these buildings their purpose back. By placing my program in a vacant building, I tackle two problems at once; resolving vacancy in Winterswijk and helping to combat shrinkage in the region.

Increasing the attraction for the region is a complex issue. The strategy and design developed in this graduation project will form a framework for the future of small cities.
Proposal: 'The breakfast club: Grensland College’
Community school in social, cultural and recreation center of Winterswijk