Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences
**Graduation Plan: All tracks**

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

<table>
<thead>
<tr>
<th>Personal information</th>
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<tbody>
<tr>
<td><strong>Name</strong></td>
<td>[Oswaldo Heinen]</td>
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<td><strong>Student number</strong></td>
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<table>
<thead>
<tr>
<th>Studio</th>
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<tbody>
<tr>
<td><strong>Name / Theme</strong></td>
<td>[Heritage &amp; Architecture]</td>
</tr>
<tr>
<td><strong>Teachers / tutors</strong></td>
<td>[Wouter Willers, Frank Koopman]</td>
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<tr>
<td><strong>Argumentation of choice of the studio</strong></td>
<td>[As a prospective architect I’ve got a pruritic feeling to create or to design a future challenge. This feeling is magnified when there are design limitations such as in making changes in a historic inner city, even if the opportunities within these limitations are limitless. I want to stress that designing contains not only a smooth nor an attractive façade, but the us, the program and the functioning of a building itself is of a great importance so that buildings, in the broadest sense of the word, do not get unattended. Just like Stewart Brand in his book ‘How Buildings Learn’ we must question ourselves “What happens after They’re built?” (This is also the subtitle of the book). How buildings learn shows how to work with time rather than against it. In retrospective, heritage touches this delicate thought.]</td>
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| Graduation project |  |
|--------------------|  |
| **Title of the graduation project** | [A transformation of an agricultural industrial building to a sports complex] |

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<tr>
<th>Goal</th>
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<tbody>
<tr>
<td><strong>Location:</strong></td>
<td>[The Netherlands, Maastricht, North Belvédère]</td>
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<tr>
<td><strong>The posed problem,</strong></td>
<td>[A squatted grain warehouse with silos and a transshipment building along the river Maas forms a whole with the clay shed adjacent to it. It carries the name “Landbouwbelang” (agricultural interest), but as a whole it can’t be recognized as such and it doesn’t articulate its purpose anymore. This building is set in a protected townscape but the municipality didn’t made a value assessment for it to maintain the buildings preciousness or its cultural value.]</td>
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</table>
The municipality doesn’t know what to do with this building. By allowing squatters to use the building, the municipality hopes to get new input of them for future purpose. There is no future program set for the agglomerated buildings. Unlike its surrounding, all new masterplans are made for future use. In these plans the Landbouwbelang is disregarded. There is no relation towards its context whatsoever. Furthermore: the building is very battered. It requires a lot of reparation, restorations or transformations and with no future plans yet: there is no design.

**research questions and design assignment in which these result.**

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
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<tr>
<td>What can be considered the identity of the Landbouwbelang building in Maastricht and is useful for its transformation?</td>
<td>[What are the cultural values of the Landbouwbelang building]</td>
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In what way can the building create **a bigger visibility** to **articulate its new function**.

- How does the building relate with its surrounding?
- What materials stand out?
- What is the basic form of the building?
- How does the façade relate with the rest of the building?
- Is the entrance noticeable?
- What is striking in the structure?
- Through which the architect was guided?
- Does the architecture refers to the functional use of the building?
- Which associations evokes the building?

In what way does the building creates a **relation with the water**?

- What is the quality of the building regarding water?
- How can water contribute to smart architecture?
- How to get water inside the building?
- How can the surrounding play a role with Landbouwbelang and its relation with the water?
- What was the former function and its process of that function? Can a relation with water be made?

In what way can the building **create spaciousness**?

- How was the building used and can it be used?
- What are the relations of the spaces?
- How can the contact between spaces enhance the spaciousness.
- When do spaces increases the contrast between spaces.
- What are the differences between the awareness of spaciousness inside and outside the building? ]
Process
Method description

[Analyzing
A group analysis of 14 persons who analyze the intrinsic aspects of the city Maastricht and its relation to our differentiated industrial heritage projects will give an insight and a global overview of the aligned projects. This analysis will be used as a useful reference document for my individual project named the Landbouwbelang: a former grain shed, warehouse and silo building along the river Maas in the north of Maastricht.

Literature leads my thoughts and gives me design directions. For the analysis its useful to understand the historic perspective of the grain shed and silos. For the design it steers my ideas to transform the building and at the same time it defines my thoughts. Finally it gives answers to the rest of all my architectural questions.

Excursion
I want to visit the grain shed and silo 3 times at minimum. This can give me a proper understanding of the building: its urban context, its looks and feeling and its details. After these excursions I have had a good observation and together with the photo’s I take I can make a proper documentation.

Cultural value
After these two actions (a thorough analysis of the urban context and the building) a comprehensive description of the cultural value gives a solid foundation for the transformation of the building. All this is assisted by my own fascinations of heritage and architecture.

Hand sketches
Hand sketches of the urban context, architectural analysis, atmospheric images and other related sketches will I use as technical means of communication. It gives me a good focus, faster result, quicker changes and a more uniform result.

3D-printing
By exploring the possibilities of 3D-printing I will learn how to work with it, when to use it and for what purpose it suits best in researching architectural aspects. I want to use it especially for research by design.

References
Besides these methods, I’m using references to understand the historic use of the building, the scale of the project, the integration of the program, the]
Literature and general practical preference

2. Jan Henket, H.(1988-2012) Key papers in Modern architectural heritage and conservation, The Icon and the ordinary, China, p 64
6. Francis. D.K. Ching, Form, Space, Order, 3rd Edition Hoesli (1964) Space as a mass space continuum Public spaces Urban spaces, the dimensions of urban design, Elsevier Amsterdam

Reflection

Relevance

[Value is one of the core concept in the care for heritage: What is considered valuable, deserves to be (re) used, maintained or to be cherished. The specific theme of the current studio investigates the potentials for redesign of the Lanbouwbelang complex in Maastricht; a squatted building constituting a cultural sanctuary. Regular cultural activities are organized: festivals, concerts, exhibitions, theater performances and film screenings. In addition, the building houses a number of art workshops. This program isn’t set for its future perspective but still searching for its new function. The research completed by the end of the first academic quarter, forms the basis for the redesign process following subsequently. Investigation applied on all different scales of analysis (Urban, Architectural, Technical) pursues to construct a clear perception and understanding of the existing structure, concerning not only the current state of the observed object, but also a thorough tracing of the past. Conclusions derived from the observation phases will aim to designate the dominant values of the existing, so as a fundamental basis for the decisions upon every following intervention approach can be formulated.

The identity of Landbouwbelang leads the way to design for the needs of the user. It functioned as a machine. In the new design as sports complex, Landbouwbelang can serve the need of the people: the need to be a machine.]
Time planning