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>Personal information</th>
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<tbody>
<tr>
<td>Name</td>
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<tr>
<td>Student number</td>
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<tr>
<td>Telephone number</td>
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<td>Private e-mail address</td>
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<th>Studio</th>
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<tr>
<td>Name / Theme</td>
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<td>Teachers / tutors</td>
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<td>Argumentation of choice of the studio</td>
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<thead>
<tr>
<th>Graduation project</th>
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<td>Title of the graduation project</td>
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<th>Goal</th>
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<tr>
<td>Location:</td>
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<td>The posed problem,</td>
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solution, and proof its potential for redevelopment as claimed by Herman Hertzberger.

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<tr>
<th>research questions and design assignment in which these result.</th>
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<td>How can the Centraal Beheer building, designed by Herman Hertzberger, be redeveloped into a Montessori education center for children from 2 to 18 years old? How future proof is the structuralist design of the Centraal Beheer building when it subjects itself to intervention? Can Herman Hertzberger's design concepts for the Centraal Beheer building be updated to modern day standards as to better suit the new educational function? The redevelopment of Herman Hertzberger’s design of the Centraal Beheer office building into an education center for Apeldoorn, that focusses on the continual education of children from 2 to 18 years old.</td>
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**Process**

**Method description**
Analysis and literature research are required to properly understand and value the existing building, but also the context of the Structuralism movement. Part of this research will be the Cultural Value matrix to determine the importance of the various aspects that compose the existing building.

Besides that there will be the need for Praxeological research into the behavior of children, teachers, and parental figures within the context of Montessori Education. Means to research this would be through literature and precedent studies.

**Literature and general practical preference**

**Precedents**
- Delftse Montessorischool for Primary Education, by Herman Hertzberger
- Burgerweeshuis, by Aldo van Eyck
- ‘t Karrengat redevelopment, by Diederendirrix and architecten|en|en

**Literature**

Montessori, M. (1912). *The Montessori Method: Scientific Pedagogy as Applied to Child Education in "The Children's Houses" with Additions and Revisions by the Author*. Frederick A. Stokes Company


Interview
The already conducted interview with Yfke Kuiper, the Principal of the Delftse Montessorischool.

Practical experience
Visits to Montessori High schools.
- Haagse Montessori Lyceum
- Rotterdamse Montessori Lyceum

Reflection
Relevance
It aims at identifying the cultural value, and architectonic ideals of Herman Hertzberger’s design for the Centraal Beheer building, so to properly incorporate these in a new design for an education center for Apeldoorn. Besides the incorporation of cultural value the project also touches on the social framework by creating a well structured education environment that is tailored to the Montessori education method and focusses on the development of the child from 2 to 18 years old.

Time planning
P1 Planning
Week 3.1 – 3.3
- Analysis of 5 icons of structuralism
- Studio booklet with documentation of the 5 icons

Week 3.4 – 3.10
- Excursion to building sites (Centraal Beheer Apeldoorn, Faculty of Humanities, Leiden)
- Choice of one building
- Architectural, technological, and cultural historical analysis of Centraal Beheer by Herman Hertzberger: subject ‘Unit’
- Literature research ‘designing from Heritage’
- Briefly establish individual intervention strategy and design ideas
- **P1 Presentation** – 16th of April 2018
**P2 Planning**
Week 4.1 – 4.3
- Establishing program for the intervention
- Formulation of research question

Week 4.4 – 4.8
- Develop Heritage position
- Research the social framework of the project
- Development of the design (program, relevance, themes strategies)
- Research into related subjects: structuralism, education, Montessori education

Week 4.9 – 4.10
- Finalizing research and design proposal
- Finalizing report on analysis, research question, dilemma’s, statement and concept
- **P2 Presentation** – 21st of June 2018

**P3 Planning**
Week 1.1 – 1.2
- Reflection on the P2 presentation
- Further development of the research and design proposal

Week 1.3 – 1.8
- Development of the design
- Development of technical design and detailing
- Further incorporation of position on Heritage
- **P3 Presentation** – 25th of October 2018

Week 1.9 – 1.10
- Reflection on P3
- Incorporating feedback and sharpening of the heritage and design position

**P4 Planning**
Week 2.1 – 2.4
- Development of elaborated design
- Development of the technical design and detailing

Week 2.5 – 2.6
- Finalizing the P4 presentation
- **P4 Presentation** – 6th or 13th of December 2018

Week 2.7 – 2.11
- Finalizing reflection and presentation
- Finalizing products for the elaboration of the design (models, drawing, etc.)
- **P5 Presentation** – 24th of January 2019