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>
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<tr>
<th>Personal information</th>
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<tbody>
<tr>
<td>Name</td>
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<td>Student number</td>
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<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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<th>Graduation project</th>
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<th>Goal</th>
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<td>Location:</td>
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<td>The posed problem,</td>
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but egocentric lives. We need to find a way in which we can continue our current lives without compromising the ability of future generations to live their lives with at least the same comfort as we would like to have. We need a way to change egocentric to ecocentric without the necessity to drastically change the way we live.

For this reason I propose a showcase which sustainable simplifies technical solutions created for our comfort. In addition I would like to house a target group who can show that a sustainable lifestyle is not that different than we are used to have right now.

With these interventions I hope to create consciousness towards sustainability for the majority in our western, for nature alienated, community. I would like to refer to Maslow’s pyramid of needs in order to understand the way we tend to unconsciously live.

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**research questions and**

**Main question:**

What **technical characteristics** does a residential complex require in order to meet the needs of the **voluntary simplicity movement**?

**Subquestions:**

- What makes the voluntary simplicity movement different from other ecological minded movements and why would this target group be suitable for a dense city like Amsterdam?
- What are the characteristics of this target group and how can they be translated into architecture?
- What are the approaches for building sustainable in residential complexes?
• What technical features result in the simplification and reduction of the energy usage of a dwelling?
• Up until what extend can natural ventilation minimize the need for mechanical additions in a Dutch climate?

design assignment in which these result. The design of a (as much as possible) self sufficient complex which encourages and facilitates an individuals and communal contribution towards a sustainable environment without being intrusive towards the passerby. In addition, the complex should reflect the needs of the target group by creating a sustainable environment.

**Process**

**Method description**
Theoretical research, state of the art research, research by design
The project will start with theoretical research in order to theoretical comprehend the posed problem. An architectural translation will be made by specifying towards a target group. This target group will be analysed by theoretical research and state of the art reference projects. Their demands will be translated in order to make them suitable for architecture. From this point four topics emerged (housing, working, community, and technique) from which one will be further elaborated before P2. The other topics are points of attention for after P2. One of the topics, community, is partly worked out in order to have solid starting points for the configuration of the complex.

**Literature and general practical preference**
**Articles and books:**


Bonnett, M. (2002). Education for Sustainability as a Frame of Mind


Bronsema, B. (2017). Personal notes. 27-05-17

Bronsema, B. (2017;2). [Powerpoint]. 20-02-17. Private collection


**Websites:**


http://www.mickpearce.com/Eastgate.html


State of the art:
Aardehuizen Olst, Olst, The Netherlands
Strowijk Iewan, Lent, The Netherlands
Ecovillage BedZED, London, United Kingdom
Earthships
Manitoba Hydro Place, Winnipeg, Canada
Eastgate Centre, Harare, Zimbabwe

Reflection
Relevance

Contribution to the understanding of how architecture influences society towards a sustainable future.

Implementation and research on back to basic technical solutions which incorporate local conditions in order to minimalize the dependency on third parties.

Time planning

<P1 Group research about the belt of Amsterdam, scenarios
>P1, <P2 Research on research question, chosen location research, PvE
>P2, <P3 Research implementation&continuation, research by designing, concept plan
>P3, <P4 Final plan