

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:

Personal information	
Name	Youri Cornelis Gerrit Warfman
Student number	4836545

Studio		
Name / Theme	Architectural Engineering	
Main mentor	Mo Smit	Design
Second mentor	Pieter Stoutjesdijk	Research
Argumentation of choice of the studio	The studio of architectural engineering covers a wide scope of topics where the inclusion of sustainable, ecological, societal and technical challenges become a playing field for your fascination. It is then from this fascination where the link between the design and research is created, leading to an integrated design track which I value. The studio offers me to explore topics, such as sustainability through the scales, by the track's make, flow and stock groundworks. It is from this groundwork that my fascination on the technical challenges can be combined into the architectural design.	

Graduation project	
Title of the graduation project	Adaptive reuse of campus buildings towards student housing
Goal	
Location:	TU Delft Campus
The posed problem,	Current lack of (collective) student housing combined with outdated, non-flexible and non-sustainable faculty buildings facing abandonment when the university wants to expand away from the current heart of the campus, thereby losing this heart and leaving the students themselves becoming more and more isolate.
research questions and	How adaptable are campus buildings from the 60's and 70's when transforming them to student housing?
design assignment in which these result.	How can an educational campus building, with adaptive reuse, be made

	flexible, sustainable and suitable for student housing?
<p>By investigating the adaptability of the campus buildings, different adaptable design characteristics and approaches are established. These characteristics will be used when creating the collective student housing within these campus buildings and with it improving the flexibility and sustainability of the overall building and campus area. Together with the built up social interaction that will be included in the design.</p>	
<p>Process</p>	
<p>Method description</p>	
<p>The methods used in order to get the research paper consist of literature research, (adaptability) multi-criteria analysis methods and case studies. This was done in order to determine what adaptability is and how to measure it and the case studies applied to a variety of student housing project, each with their own special quality. These qualities are then distilled and utilized for a design proposal, hereby doing research by design. The proposal is then brought back onto the adaptability of the campus buildings and the whole of the campus. This method of doing research, applying the literature research and the case study analysis to a certain aspect and combining it with the design is a method that will continue to be used.</p>	
<p>Literature and general practical preference</p>	
<p>Precedent literature about the longevity of architecture, taking time and thereby change into account: A Pattern Language, Christopher Alexander How Building Learn, Stewart Brand Transformations of the site, Habraken, N. J Adaptable architecture: theory and practice, Robert Schmidt Literature about I intend to consult about (improving) the connection between the building (campus buildings) and its context (the campus); Soft City from David Sim or similar.</p>	
<p>Reflection</p>	
<p>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 project relates to the studio with the flow, stock and make approach of the AE studio. By looking different to what is already there, structures interwoven with time and people in order to create (with re-use) sustainable solutions for the field of architecture.</p> <p>2. What is the relevance of your graduation work in the larger social, professional and scientific framework. With the designing of adaptive reuse project of educational campus building of the TU Delft from the 60's and 70's to student housing, I try to create relevance due to the specificity of the buildings and the change in function to student dwellings and thereby creating an example for similar (or when possible even for different) situations.</p>	