

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	Yannick van der Klei
Student number	5502462

Studio		
Name / Theme	Design for care	
Main mentor	Birgit Jurgenhake	Architecture
Second mentor	Lex van Deudekom	Building Technology
Third mentor	Leo Oorschot	Research
Argumentation of choice of the studio	Care is an important part of our society and designing for care is a very complex and challenging task. However, it is also important to fully understand how to design for care. Building design plays a role for patient recovery and can contribute to this.	

Graduation project	
Title of the graduation project	Design for addicted adolescents
Goal	
Location:	The Hague, Molenwijk, Ketelstraat 21-23
The posed problem,	Many people with addiction problems don't get the treatment that they need because of the negative stigma that is attached to addiction, admitting you have a problem is seen as a sign of weakness. Especially among teenagers, who would benefit the most from early treatment because addiction can be seen as an chronic illness which is developed by usage through time. But if they get treatment they end up isolated from society in outdated facilities which do not meet the needs of the patients. The surroundings of a patient can have an impact on it's recovery an can help the healing process.
research questions and	How can building design support adolescents with addiction problems with recovery and re-socialisation in the Netherlands?
design assignment in which these result.	Designing an addiction clinic for adolescents that is situated in an existing neighborhood, helps the patients with their re-integration and gives back to the neighborhood

Process

Method description

This chapter describes the methods that will be used to answer each sub-question and the expected outcome of these methods.

What is an approachable environment for adolescents?

This subquestion will be answered through literature review. The literature that's used look into how to design an environment for adolescents. An approachable environment is also an environment where adolescents want to be and a space that they want to use.

How does a treatment program influence a building form?

This sub-question will be answered by analyzing several clinics in the netherlands. Analyzing these will give a good idea of how a treatment program shapes the building.

Are there architectural elements that contribute to the recovery of patients?

Using literature research, several architectural elements will emerge that may have a positive influence on the recovery of patients. Outcomes of several sources will be combined in one overview which can be used as guidelines for the design of a addiction clinic

How can an addict be intergrated into normal life again?

This sub-question will be answered using anthropological research and literature review. Using different sources from the literature, we will find out what are the important elements to make someone with an addiction part of society again. This will be supplemented and supported by interviews with caregivers so that it becomes clear how the built environment can contribute to help someone with addiction lead a normal life again.

What are the requirements for a good location for addiction treatment?

Different research methods will be used to answer this sub-question. The literature will be searched for requirements of a location for addiction treatment. The research into building typologies will be used to find out the minimum size of a clinic and the functions needed to provide good care for addicted adolescents.

Literature and general practical preference

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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 relationship between the subject of my research and the theme of the studio is the fact that it concerns a healthcare institution. The result of the research is design guidelines that can be used for the design of a healthcare institution in question herewith the link is made with the master program architecture.

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

Adolescents are often a forgotten group when it comes to how to design a healthcare setting for this group. Research is often done on children or the elderly but adolescents much less so. This while in the case of addictions it is important to intervene as early as possible. Research on addiction care and how to design for it is also scarce and often outdated.