

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	Jil Weber
Student number	5609526

Studio		
Name / Theme	Design for health and care	
Main mentor	Birgit Jürgehake	Design
Second mentor	Lex van Deudekom	Building technology
Third mentor	Fredrerique van Anandel	Research
Argumentation of choice of the studio	Vulnerable people are part of our community and therefore every new design should be inclusive. They should be able to experience life and architecture in the same way we do.	

Graduation project	
Title of the graduation project	Recess for families with chronically and/or disabled children
Goal	
Location:	Lelystad, Netherlands
The posed problem,	Chronical illness and/or disabilities of a child affects the health and wellbeing of the children as well as their parents and caregivers. The families often feel isolated which in many cases leads to caregiver burden, depression or other psychological problems and lowers the health related QoL of all the family members.
research questions and	How can the architectural environment of a retreat for families with disabled and/or chronically ill (CID) children provide relaxing time together while supplying a potential benefit for the child ?
design assignment in which these result.	Retreat that provides moments of relief to every member of a family with CID children
The aim of this research is to give relief by creating an opportunity of real recess and break from ongoing care for the child for parents and the family through architectural solutions, resulting in general improvement of their mental and physical well-being.	
Process	
Method description	

- Literature review on causes of caregiver burden, vacation centres and camps throughout history and the spatial needs of target groups.
- Documentaries such as *crip camp* which about the summer camp for disabled children called "camp Jened"
- Case study analysis of vacation centres, care hotels and (day)care centres
- Surveys for parents and family of CID people asking questions about travelling with and caring for sick relative
- Informal and in-depth interviews with parents, therapists and nurses/caregivers
- Fieldwork in a daycare centre for disabled and chronically ill people and children

Literature and general practical preference

- impact of caregiver burden:
 - In the shadow of illness (Bluebond-Langner, 2000)
 - The impact of care on family and health-related quality of life of parents with chronically ill and disabled children (Vonneilich et al., 2015)
 - Eltern mit chronisch kranken Kindern – Auswirkungen der psychischen Belastung und der Mediationseffekt der sozialen Unterstützung auf die Einschätzung der Familienfunktion (zu Solms, 2022)
- Vacation centres and camps throughout history:
 - Therapeutic camps as respite care providers: Benefits for families of children with disabilities (Shelton, 2009)
 - Tussen tent en villa - Het vakantiepark in Nederland 1920-nu (Dings, 2015)
- the spatial needs of target groups:
 - How does a vacation from work affect employee health and well-being? (de Bloom et al., 2011)
 - The influence of urban green environments on stress relief measures: A field experiment (Tyrväinen et al., 2014)
 - Rehabilitation Spaces – Architecture for Children with Multiple Disabilities (Borowczyk, 2019)
- Fieldwork at a daycare centre for disabled children in Luxembourg

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)?

In my research and my final design I will include the studio topic (inclusive design for health and care) by researching what the architectural needs for a family with CID children are, if they want to recess and recover from their everyday troubles. It relates to both the master Track of Architecture and the master programme (MSc AUBS) in so far, as I'm researching the architectural environment for such a recess centre. I'm looking what the spatial needs and requirements are for my target group and I will give a possible spatial solution through my final design.

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

Our society should not only look out for the physically sick, but also learn how to take care of their families. Not feeling integrated and a lack of social contact often leads to mental health issues in caregivers, in this case mostly the parents. It is important to address this problem and to find architectural solutions that offer relief to every family member.