

# 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](mailto: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	Laurens Coster
Student number	5433770

Studio		
Name / Theme	Advanced Housing Design	
Main mentor	Harald Mooij	Architecture Design Tutor
Second mentor	Robert Guis	Architecture Research Tutor
Argumentation of choice of the studio	I chose this studio because it focuses on the Dutch housing market. As a future architect, I aim to make a meaningful impact on Dutch architecture. Additionally, the assignment to design a high-density neighborhood aligns with my career aspirations. This led me to choose the Advanced Housing Design studio.	

Graduation project	
Title of the graduation project	Aging Elders
Goal	
Location:	Olof Palmeplein, Amsterdam-Noord
The posed problem,	A large group of seniors would like to move to a life-proof home, but do not do so due to lack of suitable and affordable housing (Van Staij et al., 2021). As a result, you get homes that are either adapted to the resident's needs or that homes are in fact too big for what they need and thus large parts of the house are not used. On top of this, single elderly people who are already unable to care for themselves and are no longer physically active have a much smaller network and often feel lonelier (Jonkers, 2016; Kaljouw, 2014). It is therefore imperative to design fitting alternative housing.

research questions and	Which design strategy can create a healthy living environment on a social and spatial level where the elderly feel included and helpful while also being able to age in place in a high-density neighbourhood.
design assignment in which these result.	Mixed-use building for multiple generations
<p>The design of a high-density living block in Amsterdam-Noord where the inhabitants live in a healthy living environment where people want to help each other and share knowledge as well as having good facilities to stimulate social interactions.</p>	
<b>Process</b>	
<b>Method description</b>	
<p>An analysis of the history of the housing for elderly in the Netherlands combined with a comparative analysis of case studies built in the last century. Followed by an analysis of the current needs of the elderly followed by design strategies on a neighbourhood, urban block and dwelling level. The last part of the research is the creation of a handful of persona's cross analyzing them with the historical advantages certain types had in order to find out if those advantages could be potentially for the design for the future.</p>	
<b>Literature and general practical references</b>	
<p>Campen, C., &amp; Ross, J. A. (2011). <i>Kwetsbare ouderen</i>. Sociaal en Cultureel Planbureau.</p> <p>Daalhuizen, F., Van Dam, F., De Groot, C., Schilder, F., &amp; Van der Staak, M. (2019). <i>Zelfstandig Thuis op Hoge Leeftijd: Verkenning van knelpunten en handelingsperspectieven in beleid en praktijk</i>. In <i>Planbureau Voor De Leefomgeving</i>. Planbureau voor de Leefomgeving.</p> <p>Gude, J. (2006). <i>Mensgericht ontwerpen -in zorg en wonen voor ouderen</i>. University of Twente. <a href="http://essay.utwente.nl/58161/">http://essay.utwente.nl/58161/</a></p> <p>Mantingh, I., &amp; Duivenvoorden, A. (2021). <i>Ontwerpen voor ontmoeten</i>. In <i>Platform31</i>. Platform31.</p> <p>Mol, C. (2020). <i>Ouderen langer zelfstandig thuis! Maar hoe dan?</i> Ben Sajet Centrum.</p> <p><i>Sport en bewegen tegen eenzaamheid bij ouderen</i>. (2024, March 18). Beteroud_NI. <a href="https://www.beteroud.nl/actueel/verhalen/sport-en-bewegen-tegen-eezaamheid-bij-ouderen">https://www.beteroud.nl/actueel/verhalen/sport-en-bewegen-tegen-eezaamheid-bij-ouderen</a></p> <p>Van Oostrom, S., Van der A, D., Picavet, S., Rietman, L., De Bruin, S., &amp; Spijkerman, A. (2016). <i>Ouderen van nu en straks: zijn er verschillen in kwetsbaarheid?</i> In <i>Rijksinstituut Voor Volksgezondheid En Milieu</i>. Rijksinstituut voor Volksgezondheid en Milieu.</p>	

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*Osdorperhof (1962) J.W.H.C. Pot en J.F. Pot-Keegstra.* (n.d.). Nieuwe Instituut.  
<https://nieuweinstituut.nl/projects/ouderenhuisvesting/osdorperhof-1962-jwhc-pot-en-jf-potkeegstra>

*Sint Jacob (1959) H. van Putten.* (n.d.). Nieuwe Instituut.  
<https://nieuweinstituut.nl/projects/ouderenhuisvesting/sint-jacob-1959-h-van-putten>

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<https://historiek.net/hoe-de-invoering-van-de-aow-werd-beleefd/75640/>

## 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)?

For me, one of the most interesting aspects of this graduation studio is that we get to design a high-density neighbourhood. As we have less and less space for architectural programs, we aim to build higher, but that comes at a price. Not only for the esthetics of a city, but mainly for the people living in it. That's the goal of this my graduation topic and this studio topic, to design a healthy living environment in the sky.

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

In my research I focus on the history and how we can use it for the current elderly and the understanding of the needs of the elderly. It is imperative to create healthy housing for the elderly in which they can share knowledge but also experiences to their neighbours.