

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	Thijmen van Os
Student number	4720873

Studio		
Name / Theme	Track: Management in the Built Environment Theme: Social Sustainability in human habitats	
Main mentor	Ir. E.H.M. (Ellen) Geurts	Real Estate Management
Second mentor	Dr. A. (Aksel) Ersoy	Urban Development Management
Argumentation of choice of the studio	Like everyone, I am affected by how society and cities design our public space. Because of the track MBE, I got the possibility to study if, and how, we can make our public space more socially sustainable by enhancing accessibility. This concept is then related to a passion of my, the 15-minute city urban concept.	

Graduation project	
Title of the graduation project	Accessibility enhancement by the 15 minute city in Amsterdam Nieuw-West
Goal	
Location:	Amsterdam Nieuw-West
The posed problem,	The purpose of this research is to find and explore the link between social accessibility and the 15-minute city. The hypothesis is that there is a link between the concepts and that the 15-minute city concept and its attributes is able to enhance social accessibility if implemented. The problem is that this relation is not studied yet and thus could be an opportunity for increasing social sustainability in urban areas.
research questions	main research question <ul style="list-style-type: none"> • <i>MRQ: To what extent is the implementation of the 15-minute city concept able to enhance the accessibility of the Amsterdam Nieuw West?</i>

	sub research questions <ul style="list-style-type: none"> • SQ1: <i>What is the 15-minute city and its indicators?</i> • SQ2: <i>What are physical and social accessibility and their indicators?</i> • SQ3: <i>What is the municipality of Amsterdam doing to enhance accessibility in Nieuw-West?</i> • SQ 4: <i>How accessible is Amsterdam Nieuw west according to the group in Nieuw-West?</i> • SQ5: <i>What is the link between the 15-minute city and accessibility?</i> • SQ6: <i>What are the lessons learned?</i>
design assignment in which these result.	Does not apply

Process

Method description

Because of the unexplored phenomenon of the missing link, the study will be qualitative and explorative. This results in a case study in which the phenomenon will be studied. The case study chosen is the city district of Amsterdam Nieuw-West. The data collection in Amsterdam Nieuw-West contains two parts. The first one being the interventions and projects the municipality is conducting to enhance accessibility. This data will be gathered from grey literature, like the omgevingsvisie and news articles, and interviews with project managers and the like. The second data collection is about how accessibility is experienced by the end users in Amsterdam Nieuw-West. For that mental map drawing with successive interviews with interested end users will be used. These two data collections in Amsterdam Nieuw-West should provide the necessary data to answer the research questions.

Literature and general practical preference

The consulted literature focusses on accessibility and the 15-minute city. Explored concepts regarding the 15-minute city are: Proximity, diversity, density and human orientation. Within accessibility, physical accessibility and social accessibility are studied. Within social accessibility, urban vitality, safety, comfort and a reason to walk are main points of interest.

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)?

My project is about the 15-minute city urban concept and its relation to social sustainability. Social sustainability in urban areas plays a big role in urban project. During our course work we learn to deal with it's context and achieve high quality development. Understanding the impact the built environment has on our sustainability in the public space is a key part of understanding the built environment in general.

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

The literature is able to provide the basis of what social accessibility entails. This research however will provide further insight into yet unfound factors affecting social accessibility as an

addition to what earlier research has found. The most interesting, scientific relevance of this research which is the search for a link between social accessibility and the 15-minute city. The literature suggests that there is a link between accessibility and the 15-minute city because of the shared aspects. This knowledge should be able to be used for advised towards municipalities on how they tackle accessibility issues in their cities to increase social sustainability.