

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	Elbrich van Stralen
Student number	4853210

Studio		
Name / Theme	Urban Architecture – Last green in Town	
Main mentor	Sam Stalker	Design
Second mentor	Eireen Schreurs	Research
Argumentation of choice of the studio	<p>I chose this studio because I noticed that besides architecture, I was also highly interested in the urban environment and thus urban structures, how a city lives and how people move through a city.</p> <p>In addition, the assignment and opportunities in the studio were quite broad, allowing me to graduate in my own creative way.</p>	

Graduation project	
Title of the graduation project	The sound of the Friche – Implementing the soundscape of the Friche in the architecture of a building
Goal	
Location:	Friche Josaphat, Brussels
The posed problem,	Our project is about an partly undeveloped area in Schaerbeek. The friche is full of stories and is an area where various voices come together. Besides being an area full of interests, the friche is also an area with a diversity of programs and functions. It is a place where nature stands directly opposite culture. This becomes clear when one listens to the sound of the friche. How would you express this diversity of the friche? And how do you bring this together into a design?
research questions and	What is the sound of the Friche?
design assignment in which these result.	How can the sound of the Friche be implemented in the design of a building?

Process
Method description
<p>In the first section, soundscaping, a soundscape was made of the friche. Recordings were made in different areas of the friche. Then these recordings were divided into zones for the further process.</p> <p>In the second section, composition, musical compositions are created, by delving into creating compositions using environmental sounds. For this, next to literature, I use my knowledge from music to make this translation. The aim is to make compositions that express the scenes taped before the best. The compositions will be recorded and written down in a score.</p> <p>The last part, design, will answer the question how to implement the sound of the friche into the design of a building. This will be done using my own knowledge and literature. The written music will be rewritten into a spatial representation and then translated into architecture. This will be implemented at different levels in architecture.</p>

Literature and general practical references

Beckers, R. (n.d.). *Bevroren muziek*. Bureau Europa. Retrieved November 2, 2023, from <https://www.bureau-europa.nl/bevroren-muziek/>

Capanna, A. (2009). Music and Architecture: A Cross between Inspiration and Method. In *Birkhäuser Basel eBooks*. https://doi.org/10.1007/978-3-7643-8976-5_8

Geluid: het ondergeschoven kindje van de architectuur. (n.d.). Stedebouw & Architectuur. <https://www.stedebouwarchitectuur.nl/artikel/geluid-het-ondergeschoven-kindje-van-de-architectuur>

Grant, M. J. (2010). *Music and Architecture*. by Iannis Xenakis. comp., trans., and ed. Sharon Kanach. Oxford University Press. <https://doi.org/10.1093/ml/gcq046>

Immersed. Architectuur en geluid. (n.d.). <https://www.oasejournal.nl/nl/Issues/78>

Kimmelman, M. (2015, December 29). Dear architects: sound matters. *The New York Times*. <https://www.nytimes.com/interactive/2015/12/29/arts/design/sound-architecture.html?mtrref=undefined&assetType=PAYWALL&mtrref=www.nytimes.com&qwh=0A62FC0F8F680BDC3503C6D6F269098A&gwt=pay&assetType=PAYWALL>

Muecke, M. W., & Zach, M. S. (2007). Essays on the intersection of music and architecture (Ser. Resonance, v. 1). Culicidae Architectural Press.

Sacks, O. (2006). The power of music. *Brain*, 129(10), 2528–2532. <https://doi.org/10.1093/brain/awl234>

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 relation between my topic, sound in architecture, and the studio topic is the attention given to the urban context in which the building is built. I use analyzing the sound as a method to better understand the context of the plot, the urban structures around it. The theme *Last green in town* fits this, because it is precisely in sound that the difference between nature and culture is also clearly noticeable, and in this way, through listening, the *Last green in town* is clearly emphasized.

The relation with the master track architecture is that I will investigate how to design a building where the sound of an area is implemented in an architectural way.

To the master program AUBS, my topic is related because it looks at a larger scale in addition to architecture. A courtyard will be designed, which should fit within the master plan we made for the whole friche Josaphat for p2.

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

The relevance of the framework is that it will help to deepen or broaden the research on sound in architecture. Because, unlike most architects I am specialized in music and architecture, so I can combine my knowledge from music and architecture. In doing so, in this research I use music, which as an art form is closer to architecture than sound in itself, as an intermediary for the translation of sound into architecture.