

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	Ian Neng Lin
Student number	5626617

Studio	
Name / Theme	Heritage & Architecture: Revitalizing heritage
Main mentor	Alexander de Ridder
Second mentor	Koen Mulder
Argumentation of choice of the studio	Zero Waste Church studio interested me because it gives me the opportunity to investigate potential frameworks to adapt both tangible and intangible heritage in a built environment. I am particularly interested in understanding how to preserve heritage buildings with considerable manners such as social and cultural context.

Graduation project	
Title of the graduation project	From sacred spaces to sacred museum: Designing for spatial appropriation in church adaptation

Goal	
Location:	Rotterdam, The Netherlands
The posed problem,	Disused, high risk of vacancy in coming years
research questions and	How do religious spaces (Het Steiger) re-function from spatial awkwardness into spatial appropriation through architectural authenticity?
design assignment in which these result.	A redesign proposal for Het Steiger church

The main problem in general is secularization which leads to the declining use of churches and their service. In the Netherlands, the adaptive reuse of churches was re-function into secular spaces in order to gain commercial value. With the current circumstances, however, there is a sense of awkwardness in the public context, as well as the contemporary reuse of church spaces. The studio allows to investigate the appropriation of heritage spaces (religious spaces) that can be preserved and re-function in the contemporary city of Rotterdam.

Process
Method description
<p>The first investigation is to understand what it means as spatial awkwardness and spatial appropriation. Using these as a major knowledge from literature review and context analysis can help develop a theoretical framework to determine the architectural position of Het Steiger. This will be further explored through local investigation, such as recent interviews with the church communities, friars, etc, as well as evaluations conducted by authorities and architects.</p> <p>The second part of the research insists on the authenticity of space within Het Steiger. Through different historic references and principles, architectural elements in sacred spaces will be explored as part of the methodology to further analyze spatial qualities in Het Steiger. This part of the research can help contribute a further extensive meaning of spatial appropriation that can help provide a method to redesign churches as a historic typology.</p>

Literature and general practical preference

Lynch, K. (1979). The image of the city. MIT Pr.

Graumann, C. F. (1976). The concept of appropriation (aneignung) and modes of appropriation of space. Strasbourg, France. In P. Korosec-Serfaty (Ed.), Proceedings of the 3rd international architectural psychology conference (pp. 113 e125).

Augusta McMahon. (2013). Space, Sound, and Light: Toward a Sensory Experience of Ancient Monumental Architecture. American Journal of Archaeology, 117(2), 163–179. <https://doi.org/10.3764/aja.117.2.0163>

Rioux, L., Scrima, F., & Werner, C. M. (2017). Space appropriation and place attachment: University students create places. Journal of Environmental Psychology, 50, 60–68. <https://doi.org/10.1016/j.jenvp.2017.02.003>

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 graduation studio Heritage & Architecture: Revitalizing Heritage- Zero waste church focuses on the values of heritage buildings that allow students to comprehend strategies to preserve and avoid churches into waste and demolition. Zero waste is considered as one of the main principles of the design process to the project. As a result, the conclusion will be the adaptive reuse of Het Steiger in a respectable and sustainable manner. As a matter of fact, the research that was made will allow a new perspective toward values in future building practice.

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

Sustainability in the heritage dimension is a challenge in the built environment, particularly when it comes to adaptive reuse. There is currently inadequate investigation to determine the appropriation of space in redesigning projects for heritage “leftovers”, especially in churches as a function of the historic past. Therefore, this graduation project allows the integration of tangible (building) and intangible (culture) considerations into sustainable design and research projects. With this graduation project that is specific and precise with existing works of detail, the research can contribute to the professional field of adaptive reuse projects in the future.