

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	Tristan Hazeleger	
Student number	5658608	
Studio		
Name / Theme	Public Building Design I The Vertical Campus	
Main mentor	Stefano Corbo, Ph.D	Public Building
Second mentor	Florian Eckardt, ir.	Architectural Engineering
Third mentor	Dr. Sang Lee, M.Arch. RA	Public Building
Argumentation of choice of the studio	<p>The reason I chose this studio is because I have always been fascinated by high-rise buildings, especially high-rise buildings with a public use function.</p> <p>In addition, I notice that I often find buildings with a public function more attracting, and I find that more is possible in terms of architecture in these buildings.</p> <p>When I discovered this studio, it was almost immediately clear to me that I wanted this studio as a graduation studio in order to design an interesting and striking high-rise building.</p>	

Graduation project	
Title of the graduation project	Navigating the hybrid: Exploring architectural innovation through hybrid education
Goal	
Location:	Near The Hague Central Station
The posed problem,	<p>With the advent of hybrid education since the COVID-19 pandemic, the demand for campuses and educational buildings has undergone a transformation. The introduction of hybrid education has led to classrooms being more readily vacated than before, as students now have the option to attend classes remotely from home. To address this increase in vacancy, educational buildings that center around hybrid education should incorporate hybrid programming.</p> <p>This is where the significance of hybrid architecture for educational buildings becomes evident, also in case of the Vertical Campus that will be designed for a new green area near The Hague Central Station</p>
research questions and	<i>How can hybrid architecture and hybrid education be connected through a building designed with hybrid building technologies located in a new green area near The Hague Central Station?</i>
design assignment in which these result.	Designing an educational building suited for hybrid education using hybrid building technologies and hybrid design solutions for the programming whilst being located in a new green area near The Hague Central Station

Process

Method description

This graduation thesis will consist of multiple parts, commencing with a literature study into the realms of hybrid architecture and hybrid education. In conducting this literature study, the focal points will include identifying the similarities between these two subjects and exploring how they can seamlessly be formed into a singular entity: the hybrid vertical campus.

Moving forward, the thesis transitions into the next part—case studies. In tandem with defining the requirements for the hybrid campus, in collaboration with the Program of Requirements provided by the Public Building Design studio, case studies will be conducted. These case studies will delve into various campuses, ranging from the more traditional ones to the more progressive ones. The most noteworthy aspects that have been found from these campuses will constitute the findings of the case studies, serving as starting elements in the design process of the hybrid vertical campus.

Literature and general practical references

The selected literature will consist of literature that focuses on hybrid architecture, different design options for educational buildings and hybrid education. This literature will mainly be used in the initial phase of the thesis when the literature study will be carried out.

The sources that have been found so far are the following:

Ujjwal Dawar, "Architectural Hybridization", Rumour, Volume 73: Futurity (2020), pp 22-27. Published by Bout, part of Technical University of Delft.

Joseph Fenton, "Hybrid Buildings", Pamphlet Architecture, Number 11: Hybrid Buildings (1985) Published by Princeton Architectural Press

Galina Ptichnikova, "Hybridization in Architecture", Advances in Social Science, Education and Humanities Research, Volume 471 (2020). Proceedings of the 2nd International Conference on Architecture: Heritage, Traditions, and Innovations

*Erik Tritsch, "A Brief History of Online and Hybrid Schools", Fairborn Digital Academy, published on September 9, 2021
(<https://fairborndigital.us/2021/09/09/a-brief-history-of-online-and-hybrid-schools/>)*

For the second part of the thesis, case studies focusing on multiple types of campuses will be conducted. These case studies will naturally consist of reference projects. As mentioned in the method section above, the results of these case studies will be used for the design of the hybrid campus.

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 relationship between my graduation topic (hybrid architecture) and the various other components is certainly present. Mixed-use, which is in principle also a form of hybrid, plays a major role within Public Building. For this reason, my graduation topic and the studio's interests are linked.

Furthermore, hybrid architecture is part of architecture, something I will certainly show with my graduation thesis. Hybrid architecture is a form of architecture that not only addresses the programmatic side of architecture but also the aesthetic side.

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

Although my graduation thesis focuses on buildings with a (hybrid) educational use function, the outcome of my graduation project, a Hybrid Vertical Campus building, also applies to other buildings with a (hybrid) public use function.