

# 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	Maik Kocken
Student number	

Studio		
Name / Theme	User perspective	
Main mentor	Alexandra Den Heijer	Public real estate management
Second mentor	Michaël Peeters	Real estate management
Argumentation of choice of the studio	Opting for the 'User Perspective' graduation lab was driven by the lab's emphasis on understanding how individuals experience and interact with real estate and how real estate can support their activities.	

Graduation project	
Title of the graduation project	Shared Spaces in Campus Real Estate: Enhancing the University Campus through Inter-Faculty Building Utilization
Goal	
Location:	Not applicable
The posed problem,	Dutch universities face challenges aligning their real estate with changing demand, leading to uncertainty. This study investigates the integration of inter-faculty building use into university real estate strategies, aiming to understand its rationale, functional aspects, and impact on achieving goals. The research addresses gaps in the literature, exploring the evolving trend towards 'liquid' campuses and the effectiveness of inter-faculty building utilisation from diverse perspectives.
research questions and	How does inter-faculty building utilisation on the university campus align with and impact organisational, functional, financial and environmental real estate objectives? SQ1: What trends can be discerned influencing university real estate

	<p>objectives, and the demand for and supply of centralised, flexible and multi-purpose spaces on campus?</p> <p>SQ2: How are universities implementing inter-faculty building use in their real estate portfolio and what characterises these facilities?</p> <p>SQ3: How can inter-faculty building use be aligned with the needs of the university and campus users?</p>
design assignment in which these result.	Not applicable
<b>Process</b>	
<b>Method description</b>	
<p>This study will apply a case study research approach, and is explorative in nature. Mainly qualitative research will be used to find an answer to the research question which is supported by some qualitative data. Desk research will be focussed on exploring the field of inter-faculty building use prior to the empirical research. Then, with desk research as a starting point, case study research will be used to better understand a select number of cases within the field. The case studies aim to get comprehensive insights by analysing documents, interviewee perspectives and KPI's.</p>	
<b>Literature and general practical references</b>	
<p>To provide the research with a theoretical background, a literature review will be conducted. This review intends to shed light on the topic mentioned above by collecting data through academic research databases, such as Scopus and the TU Delft Library. Important theories include the Design and Accomodation Framework by De Jonge et al. (2009), four perspectives on campus management by Den Heijer (2011), Campus of the Future by Den Heijer (2021), sharing economies and shared spaces on campus.</p>	
<b>Reflection</b>	
<p>In the initial stages of my graduation process, the trajectory of my research within the broader topic of campus real estate management has been shifting. Beginning with a broad exploration encompassing flexible space use, the focus transitioned to organizational flexibility before ultimately converging on shared spaces in a campus context. This also shows the topic has been in constant development and divergence, going from very broad to more specific. Especially after the P1, when thinking about research methods the scope became a lot clearer.</p> <p>In retrospect, certain initial topics have found a place in the final research proposal, while others have been left behind. The process of narrowing down the scope presented challenges, particularly in light of uncertainties related to data availability. Nevertheless, narrowing down provided purpose and structural clarity. I anticipate further adjustments and refinement based on empirical observations in the next stages of the graduation process.</p> <p>Reflecting on the laboratory's structure, I am pleased that I began contemplating a potential topic before the semester started, and that I had already talked to a possible graduation company in advance to give me some more inspiration. Already starting to work at the company before the start of my graduation process also gave</p>	

me the opportunity to talk to my supervisor about my company and get a sense of what they could help me with in terms of data gathering, which I believe has been really helpful.

My graduation topic finds itself in the field of real estate management, which is one of the core MBE themes. The graduation lab is called 'user perspective', which is an indication of the focus of real estate management on the user experience when providing real estate. Within the master track architecture, urbanism and building sciences, this thesis focuses on housing the users of the built environment, taking into account changing goals in society and organisations, sustainability requirements and feasibility with an integrated approach. The societal significance of this research lies in its exploration of how inter-faculty building utilization influences the various perspectives of campus real estate management. From an academic standpoint, the thesis contributes by offering insights, accounting for institutional differences, providing clear definitions, and evaluating the implications of inter-faculty building. The journey has been interesting, and I look forward to further exploration in the upcoming phases.