

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	Rozemarijn Carola Rischen
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Studio	
Name / Theme	De Veldacademie
Teachers / tutors	Machiel van Dorst, Willemijn Wilms Floet, Pieter Graaff
Argumentation of choice of the studio	The choice of the Veldacademie studio arises from the wish to design a realistic design which will give an answer to problems of today. The choice for the subject stems from two loves: Rotterdam and food. How can one combine these two and make Rotterdam a bit more beautiful.

Graduation project	
Title of the graduation project	Resilient Feijenoord/Veerkrachtig Feijenoord
Goal	
Location:	Nassauhavenpark, Feijenoord, Rotterdam
The posed problem,	<p>Globalization has brought the world many positive aspects, but also individualization, polarization, greater differences between poor and rich and the biggest problem we face as humanity: how can we make our existence on earth sustainable.</p> <p>The world population is growing. The food industry has a big influence on the climate. New forms of food production are designed in the vicinity of the living environment. My statement is that a win win situation can be created by giving this food production a social role: food can connect people from different groups; this way two forms of sustainability</p>

	are brought together.
research questions and	<p>Main question How can an urban agriculture park contribute to social sustainability in a disadvantaged district like Feijenoord?</p> <p>Food and waste What are new forms of modern urban agriculture and waste management and how can these be combined with green public space?</p> <p>Feijenoord What is the functional and spatial historical development and future development of Feijenoord?</p> <p>What social challenges can be included in the program?</p> <p>Which aspects of the location can be used to develop a sustainable design?</p>
design assignment in which these result.	[Design Assignment]
To design a public facility in an urban agriculture park in Rotterdam that contributes to a socially sustainable society.	
Process	
Method description	
<p>Food and waste Interviews – Experts on food production, water management, waste management, social entrepreneurs. Literature – Circular economy, food production, waste management Analysis – Existing projects, existing food/waste flows. Design – Calculations, drawings, analysis.</p> <p>Feijenoord Interviews – Residents, entrepreneurs, employees, social workers, neighbourhood associations. Literature – Historical development, future vision of the municipality, private development plans. Analysis – Existing spatial situation, location visits, analysis drawings.</p>	

Literature and general practical preference

Food and waste

Cody Hochstenbach & Sako Musterd (2017): Gentrification and the suburbanization of poverty: changing urban geographies through boom and bust periods, Urban Geography, DOI: 10.1080/02723638.2016.1276718

IABR (2014), Urban metabolism, sustainable development of Rotterdam. Rotterdam

Metabolic (2015), Circulair Buikerslooterham, visie & ambitie. Amsterdam

Feijenoord

Bet, E., van Meijel L., Hinterthur, H. (2010), Cultuur Historische verkenning Feijenoord, Gemeente Rotterdam. Rotterdam

COS (Centrum voor Onderzoek en Statistiek)(2012), Bevolkingsprognose Rotterdam 2013-2030. Bestuursdienst Rotterdam. Rotterdam

Gemeente Rotterdam, stadsontwikkeling (2012), Masterplan Kop van Feijenoord, fase II. Rotterdam

Oosterling, H.,(2011), De Nieuwe Belangstelling, Verbinden en overbruggen in de wijk Feijenoord. Veldacademie, Rotterdam Vakmanstad

Reflection

Relevance

How can we make our life on earth sustainable? This is a big question which should be asked by every discipline. As an architect, one designs the built environment and has a major responsibility for this issue. Global and social sustainability is a topic beyond architecture, but the part which architecture might be able solve makes it relevant.

Time planning

