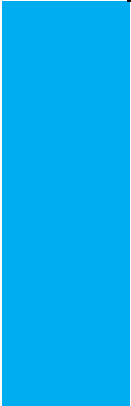


# Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences



## Graduation Plan: All tracks

The graduation plan consists of at least the following data/segments:

<b>Personal information</b>	
Name	<b>Qian Li</b>
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<b>Studio</b>	
Name / Theme	Delta Intervention
Teachers	Kristel Albers
Argumentation of choice of the studio	The studio shows the ability of the water-related design, including the urban planning of the delta area and the architecture design in water aspect. I am interested in the relationship among the river, city and buildings.
<b>Graduation project</b>	
Title of the graduation project	The Renovation of the Water-related City border in TMC
<b>Goal</b>	
Location:	Texas medical Centre, Houston, America
The posed problem,	The conflict between the flood defense and the public waterfront. The missing link between the inner city and the water area.
research questions and	How to renovate the water-related city border to enhance the link the public human activities and the waterfront as well as providing good flood defense
design assignment in which these result.	Design an education center to connect the TMC transfer center, the green park and the Brays Bayou. Renovate the Bayou with ecological method to promote the biodiversity, purification and flood defense.
<p>The project tries to answer the question that public water-related building can contribute to the circulation between the inner city and the waterfront as well as promoting flood risk management. The project also shows the concept that ecological aspect is significant for the water-related design.</p>	

## Process

### Method description

1 The so-called 3X3 analysis

The pre-analysis of Delta Intervention is undertaken on 3 different layers. First, the main topology and water condition of the whole Houston and Galveston Bay area. Second, the infrastructure level. Third, the local level. The condition of TMC, the site of this project.

2 Excursion

Visiting to Houston between 13th and 23th December. Lecture in Rice University.

3 Literature and Reference study

### Literature and general practical preference

Kasper Stoeten., 2008, Applying Best Practices From the Delta Works And New Orleans To Galveston Bay.

Compton Neil, 1992, The Battle for the Buffalo River.

Stoeten, K.J., 2013, Hurricane Surge Risk Reduction For Galveston Bay.

Pötz, Hiltrud, 2012. Urban green-blue grids for sustainable and dynamic cities

## Reflection

### Relevance

The Delta Intervention Studio Deals with the practical problem of the water-related architecture design and urban planning. It's a combination of architecture, civil engineering and management which provide practical reference for the real project in Houston. My Project researched the possibilities in architecture to provide better public space and flood protection for TMC and the Brays Bayou.

## Time planning

Week 1-10 Urban research, Data collection in historical, cultural, ecological aspects.

Week 11-20 Research about the practical demand for the local situation of the site.

Figure out the program and the primary design of the building.

Week 21-30 Continue the architecture design with technical solutions in structure and ecology.

Week 31-40 Complete the research and design. Finish the drawings and reports.

Week 41-42 Final Presentation