

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	Sophie Luyckx
Student number	4395948
Telephone number	061322----
Private e-mail address	-

Studio	
Name / Theme	Heritage and Architecture – Revitalising Heritage
Teachers / tutors	Lidy Meijers, Ger Warries
Argumentation of choice of the studio	Transformation is an important theme in today's architecture. During my internship at an Architectural office that is specialized in monuments, I became more interested in heritage and how to deal with it as an architect. I want to become more aware of historical preservation, because architecture is part of our history. It contains the element of time, it has a memory. Being extra carefully what to preserve from or add to this memory is important to me. This studio teaches this way of dealing with the built environment, how to analyze values and how to start your design with existing buildings and their context.

Graduation project	
Title of the graduation project	'Campus South, a public gathering place'
Goal	
Location:	Hembrug, Zaandam, the Netherlands
The posed problem,	Hembrug, a former military production site, is one of the largest redevelopments in the metropolitan area of Amsterdam. The terrain is located at the intersection of the North Sea Canal and the Zaan and functioned as the logistic heart of the "Stelling van Amsterdam". The former military terrain consists of many buildings, including 50 monuments and historical green structures. After the Ministry of Defence

	and the factory Eurometaal left the site, the area became desolated and taken over by nature. Currently, this area, full of potential, needs a new permanent use. How do you make a once closed off area, that is of historical value, open and attractive to the public? And what is the meaning of an ensemble in the context and urban development? In this redesign, the cultural historical values have to be taken into account.
research questions and	How did the pleasant and welcoming character of Campus South come into existence, and how can this character together with cultural initiatives contribute to creating a public gathering place?
design assignment in which these result.	<p>A redesign of Campus South.</p> <ul style="list-style-type: none"> - Defining the main values of the ensemble and its existing buildings. - Designing a new program for the future use of the ensemble. - Creating new interventions, and being aware of their spatial consequences. <p>I want to transform Campus South into a public gathering place, in which people feel welcome (providing safety), where people can come together and where they can relieve stress.</p>
Process	
Method description	
<p>The used method to analyze the site is historical research, combined with praxeology and spatial narratives as methodology. In groups we visited archives to gather knowledge, I visited the site several times, and researched proposals of precedents. Furthermore, I made use of the techniques of simulation sketches of the uses of space, sketching, photo-/videography, mapping movement, sections, floorplans, interviews and stories about the site. The gathered knowledge is converted into timelines and a cultural value matrix. I did research on the important values of the ensemble and the buildings. I ordered these values into a hierarchy of high, medium and indifferent representation. The conclusion of the value assessment gives me</p>	

direction, as a result of which I could form a position statement about the ensemble, which forms a basis for the design (to keep, demolish or add parts).

To develop my research in order to come to a design I will make use of:

- Literature

Providing a theoretical and scientific note to the project.

- Sketching

Sketching is a way to try out different variations and to put your ideas in a fast way on paper (Researching by design).

- 3D modelling.

Trying out masses in Sketchup. To see if your idea really works in the surroundings as intended I like to use Sketchup.

- Mapping floorplans.

This is a way to show the movement of different users.

- sections and diagrams.

Giving a clear overview.

Literature and general practical preference

Bloszies, C. (2012). *Old Buildings, New Design. Architectural Transformations*. New York: Princeton Architectural Press.

Bosma, K. & Kolen, J. (2010). *Geschiedenis en ontwerp. Handboek voor de omgang met cultureel erfgoed*. Nijmegen: Vantilt.

De la Torre, M. (2002). *Assessing the Values of Cultural Heritage. Research Report*. Los Angeles, CA: Getty Conservation Institute.

Gallo, G., Hagens, J., Jannink, P., Kloosterman, H., Kruger, M., van Berkel, S. (2017). *Economisch-ruimtelijke verkenning Noordelijke ZaanIJ-oeveren. Bouwstenen voor een ontwikkelstrategie*.

Henket, H.J. (2013). *Waar nieuw en oud raken. Een pleidooi voor houdbare moderniteit in architectuur*. Eindhoven: Lecturis.

Kuipers, M. & de Jonge, W. (2017). *Designing from Heritage. Strategies for Conservation and Conversion*. Delft: TU Delft, Heritage & Architecture.

Meurs, P. (2016). *Heritage-based Design*. Delft: TU Delft, Heritage & Architecture.

Palmbout Urban Landscapes. (2011). *Beeldkwaliteitsplan Hembrug- terrein*. Rotterdam.

Petzet, M., Heilmeyer, F., Overmeer, E. (2012). *Reduce, Reuse, Recycle. Architecture as resource: German pavilion, 13th International Architecture Exhibition, La Biennale di Venezia 2012*. Ostfildern: Hatje Cantz.

Programmabureau Haven-Stad, Ruimte en Duurzaamheid. (2017). *Haven-Stad. Transformatie van 12 deelgebieden*. Amsterdam: Gemeente Amsterdam.

SteenhuisMeurs. (2010). *Hembrugterrein – Zaanstad – Cultuurhistorische analyse*. Schiedam.

Wong, L. (2016). *Adaptive Reuse: Extending the lives of buildings*. Basel: Birkhäuser.

Reflection

Relevance

One of the contemporary social issues is increasing social pressure. Too much is expected from people. To succeed in society, everyone must meet the same standards. But, not everyone succeeds, because everyone works differently. Newspaper articles about burn-outs are passing by more often. Today's society experiences a lot of stress and work pressure, to which social media also contributes. Your life and resume must be perfection. In my design I want to address this issue. Therefore, I want to create, in my design for Campus South, a spatial design/ experience which provides a moment without stress and pressure, where people can relax and where you feel welcome. Hereby, cultural interventions work as a connecting factor. Culture unwinds and brings people together.

Furthermore, this project is dealing with the reuse of existing buildings, which is a relevant subject for me as a future architect, because transformation is an important theme in today's architecture. The project is related to the question how an architect should deal with cultural-historical values and the discussion about preservation. A adequate statement of Koolhaas, at the AIA convention in 2016, to this subject is: "A preservation project is an homage to earlier cultures and mentalities to which you can add a new dimension, a new function, a new beauty or appeal".¹ In doing so the architect must think extra carefully what to preserve from, or add to this. Value assessment is therefore very important.

1 Diana Budds. "Rem Koolhaas: "Architecture has a serious problem today". Last modified May 21, 2016, <https://www.fastcompany.com/3060135/rem-koolhaas-architecture-has-a-serious-problem-today>.

Time planning

See Appendix

During the summer holidays I will visit some reference projects and will develop my research.

Q1:
Starts in September
Week 1-3

- Excursion
- Workshop on designing fragments of the proposal (wk 1-2)
- Workshop on façade fragments, technical aspects (wk 3)
- Presentation of fragments and relation / reflection overall concept
- Tools: models, sketches, renders, text, and so on

Week 4-8

- Development of design
- Principles of project detailing
- Reflection
- **P3** presentations with visiting critics (October, week of 21-27th)

Week 9-10

- No tutoring, so developing design with feedback from P3

Q2:

Week 1-4:

- Development of elaborated design

Week 5-6:

- **P4** presentations (in between 2-13 December)

Week 7-9:

- Finalizing reflection and presentation – last improvements, based on the comments from P4.
- Finalizing design drawings, perhaps models, renderings, and so on

Week 10-11:

- **P5** presentations (Last week of January) - the final presentation.

All progress will be collected in a project journal.

I have no other courses or exams, so I can completely focus on my graduation project.

Appendix

Hembrug peninsula - Revitalising heritage

MSc3 studio Heritage & Architecture - Spring – Fall semester 2019

Room 02 WEST 800 for Q3 and Q4

Team of mentors

Tutors (main) Architecture	Lidy Meijers (LM) Annette Marx (AM)
Tutors Building Technology	Frank Koopman (FK) t.b.d.
Tutor Cultural Value	Charlotte van Emstede (CE)

Q3 research; Design – Technology - Cultural Value

Wk 1-3

- Introduction to studio, courses, theme of the studio, visit of the site Hembrug
- Study to the design research framework
- Study to a body of references, research in group
- Excursions to (2 realised and built locations/sites), organised by the student group
- Collective report on the references + typical (subject-related) drawings

Wk 4-8 *Studio buildings subject*

- Introduction to design cases: Hembrug
- Excursion to buildings
- Choice for one building complex
- Research on building complexes in groups - thematic
- Read book 'designing from heritage'
- Architectural, technological and cultural historical analysis, by research tools and syntheses
- Collective typical contextual drawings of building complexes / ensembles / technology
- Collective research report
- Thoughts on brief, intervention strategy, design ideas, individual

Wk 9-10

- Finalizing report
- P1 presentations, collective + individual
- PRODUCT: verbal presentation, report, design pitch

Week	Date	Time	Program	Tutors	Location
3.1	Monday 11.02.2019	9.00- 12.45	Welcome + short intro by main mentors + Start study of masterplans, in groups	LM AM	Studio
		13.45- 17.00	Introduction studio of students + tutors	LM AM FK CE	Studio
	<i>Thursday 14.02.2019</i>		<i>Research Methods</i>		
	<i>Wednesday 13.02.2019</i>		H&A lectures MSC3-specific	<i>Professors H&A</i>	<i>t.b.d.</i>
	Friday 15.02.2019		Excursion to Hembrug	LM AM FK CE	Hembrug
3.2	Monday 18.02.2019		Research on 2 significant urban masterplans (realised), in groups	LM AM FK CE	Studio
	<i>Thursday 21.02.2019</i>		<i>Research Methods</i>		
	Friday 22.02.2019		Hand in draft 'excursion guide' / booklet	LM AM FK CE	Per mail tutors
3.3	Monday 25.02.2019		Excursion organised by the group: to the 2 sites of urban masterplans	LM AM FK CE	

3.3	Tuesday 26.02.2019	9.00- 12.45 13.45- 17.00	Joint session Critical reading and analysis <i>AFTERNOON: Cultural Value workshop</i>	CE CE IN	Studio <i>Room t.b.d.</i>
	<i>Thursday 28.02.2019</i>		<i>Research Methods</i>		
	Thursday 28.02.2019		Hand in collective research ('excursion guide') booklet on 2 iconic urban masterplans		Hardcopy in post box-digital version to all tutors
	Friday 01.03.2019		Excursion to Hembrug and visit to the buildings on the site	All (CE + IN!!)	Hembrug
	Sunday 03.03.2019	23.59	Choice of the building	LM AM	Per mail to the main mentors
3.4	Monday 04.03.2019	9.00	Tutoring/instruction on architecture H&D-analysis	LM AM	Studio
	<i>Thursday 07.03.2019</i>		<i>Research Methods</i>		
3.5	Monday 11.03.2019		Morning: H&D-analysis Afternoon: Instruction on doing archival research	LM AM CE	Studio
	12.03.2019		Archive-day! Military/province/municipality/HNI	CE	<i>archive</i>
	<i>Thursday 14.03.2019</i>		<i>Research Methods</i>		
3.6	Monday 18.03.2019		Tutoring on technology	FK	Studio
***	<i>Tuesday 19.03.2019</i> <i>?19.03.2019</i> <i>9</i> <i>???</i>		Morning: Tutoring on cultural value <i>Lecture Frits Palmboom</i>	CE unconfirmed	Studio <i>Room t.b.d.</i>
	<i>Thursday 21.03.2019</i>		<i>Research Methods</i>		
	Friday 22.03.2019		MSc1+MSc3-excursion - lectures at Hembrug	LM AM FK	Hembrug
3.7	Monday 25.03.2019		Tutoring on collective research + individual synthesis, brief, ideas etc.	LM AM FK CE	Studio
	<i>Thursday 28.03.2019</i>		<i>Research Methods</i>		
3.8	Monday 01.04.2019		Hand in draft reports	LM AM FK CE	Studio - draft to tutors
	<i>Thursday 04.04.2019</i>		<i>Research Methods</i>		
3.9	<i>Monday 08.04.2019</i> <i>09.04.2019</i>		<i>P1 + feedback reports</i>	LM AM FK CE	Studio
3.10	Monday 15.04.2019		Hand in final reports – review time	LM AM FK CE	<i>1 hardcopy + mailbox tutors</i>

*- Architectural spatial research according to one or more of the following; *Observations Chapter Designing from Heritage*, *Gordon Cullen-Townscape*, *Kevin Lynch-The image of the city*, *Louis Kahn-traffic study*, *Christopher Alexander-pattern language*, *E.n. Bacon – Design of cities*, *Bernard Leupen – Ontwerp en analyse hoofdstuk; het architectonische landschap DUTCH!!*

Q4 Design (defining individual design proposal)

Wk 1-2

- Workshop on program and feasibility, (if possible: collaboration with MBE/ developers buildings)
- Formulation of research question (individual), combining values, program, relevance, themes etc
- Scenarios, in groups/individually
- Presentation scenarios

Wk 4-8

- Development of design brief
- Program, relevance, themes, strategies
- *Consult (2x) on technology T.b.d.*
- *Consult (1x) on cultural value? T.b.d.*
- Visiting tutor maybe
- *Try-out P2 presentation, comments on presentation by tutors and group*

Wk 9-10

- Finalising research and design proposal
- Finalising report on analysis, research question, dilemma's, statement and concept
- P2 presentations (midterm exam)

Week	Date	Time	Program	Tutors	Location
4.1	Monday 22.04.2019		Easter		No tutoring
4.2	Monday 29.04.2019		Program workshop, group work on scenario's - presentation workshop	LM AM	Studio
4.3	Monday 06.05.2019		Workshop scenario's, individual	LM AM	Studio
4.4	Monday 13.05.2019		Tutoring	LM AM	Studio
4.5	Monday 20.05.2019		Tutoring – <i>extra on technology</i>	LM AM FK	Studio
4.6	Monday 27.05.2019		Tutoring – <i>extra on cultural value</i>	LM AM CE	Studio
4.7	Monday 03.06.2019		Tutoring - P2-try-out	LM AM	Studio
4.8	Monday 10.06.2019		Tutoring	LM AM	Studio
	Thursday 13.06.2019		P2 presentations	LM AM FK	t.b.d.
4.9	Monday 17.06.2019		P2 presentations	LM AM FK	t.b.d.
	Tuesday 18.06.2019		P2 presentations	LM AM FK	t.b.d.
	Thursday 20.06.2019		P2 presentations	LM AM FK	t.b.d.
4.10	Monday 24.07.2019		Retakes	LM AM FK	
4.11	01.07.2019		(Retakes)	LM AM FK	

Q1 Individual design (elaboration)

Wk 1-3

- Excursion
- Workshop on designing fragments of the proposal (wk 1-2)
- Workshop on façade fragment, technical aspects (wk 3)
- Presentation of fragments and relation/ reflection overall concept
- Tools: models, sketches, renders, text, and so on

Wk 4-8

- Development of design
- Principles of project detailing
- Reflection
- P3 presentations with visiting critics

Wk 9

- No tutoring/reflection

Wk 10

- No tutoring/reflection

Week	Date	Time	Program	Tutors	Location
1.1	Thursday 05.09.2019		Excursion / Workshop fragments	LM AM FK	ntb
1.2	Thu/Fri 12/13.09.2019		Workshop fragments – models – sketching **	LM AM FK	Studio
1.3	Thursday 19.09.2019		Presentation state of affairs – design questions	LM AM FK	Studio
1.4	Thursday 26.09.2019		Tutoring	LM AM FK	Studio
1.5	Thursday 03.10.2019		Tutoring Consult Cultural value	LM AM FK CE	Studio
1.6	Thursday 10.10.2019		Tutoring	LM AM FK	Studio
1.7	Thursday 17.10.2019		Tutoring	LM AM FK	Studio
1.8	Thursday 24.10.2019		P3 presentations	LM AM FK	?
1.9	Thursday 31.10.2019		Tutoring	LM AM FK	Studo
1.10	Thursday 07.11.2019		No tutoring	(LM AM FK)	

** - constructing architecture – Deplazes ETH Zürich, à la P5 JinHyuck Lim, à la Chipperfield Neues Museum Berlin

Q2 Individual design

Wk 1-4

- Development of elaborated design

Wk 5-6

- P4 presentations

Wk 7-9

- Finalizing reflection and presentation
- Finalising design drawings, perhaps models, renderings, and so on

Wk 10-11

- P5 presentations
- Exhibition results studio Hembrug(?)

Week	Date	Time	Program	Tutors	Location
2.1	Thursday 14.11.2019		Tutoring	LM AM FK	Studio
2.2	Thursday 21.11.2019		Tutoring (Consult cultural value)	LM AM FK (CE)	Studio
2.3	Thursday 28.11.2019		Tutoring	LM AM FK	Studio
2.4	Thursday 05.12.2019		week of P4-presentations	LM AM FK	?
2.5	Thursday 12.12.2019		week P4-presentations	LM AM FK	?
2.6	Thursday 19.12.2019		No tutoring		
			Christmas holiday		
2.7	Thursday 09.01.2019		Tutoring	LM AM FK	Studio
2.8	Thursday 16.01.2019		Tutoring	LM AM FK	Studio
2.9	Thursday 23.01.2019		Tutoring	LM AM FK	Studio
2.10	Monday 30.01.2019		P5 presentations	LM AM FK	t.b.d.