

Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences



Graduation Plan: All tracks

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

Personal information	
Name	Stephanie Zeulevoet
Student number	4105990
Telephone number	+31683547329
Private e-mail address	szeulevoet@gmail.com

Studio	
Name / Theme	Explorelab
Teachers / tutors	Sake Zijlstra, Olv Klijn, Darinka Czischke, Ype Cuperus (not confirmed yet)
Argumentation of choice of the studio	<p>While writing my Theory Thesis (MSc2) I began to develop an interest in bottom-up movements in architecture. In my thesis I observed that these kinds of initiatives struggle to establish themselves as real alternatives to top-down, consumer-oriented building culture.</p> <p>It seemed to be very unlikely that I could explore these themes in one of the regular studios. Explorelab offered the opportunity for me to do the research project with tutors from Management of the Built Environment, which has proved to be very interesting and educative in the past semester.</p> <p>I also think that choosing an individual mentor for the design project at Explorelab is extremely efficient and allows for interesting discussions 1-on-1. Especially for a graduation project this method seems to me to be a good balance between individuality and intense tutoring; the increased responsibility of the student in Explorelab appears to me to be a good transition between studying and future practice.</p>

Graduation project	
Title of the graduation project	Self-organized housing for starters in Amsterdam
Goal	
Location:	Nachtwachttlaan/Staalmeesterslaan (Rembrandtpark), Amsterdam
The posed problem,	Each year about 33.000 starters enter the housing market of Amsterdam. Due to various irregularities starters struggle to find adequate housing. Firstly, the social housing market has become inaccessible for this group because of the extensive waiting list and income

	<p>restrictions.</p> <p>Furthermore, the private rental market is shrinking and is highly regulated in allocation; the less regulated segment of this market is too expensive for starters.</p> <p>Combined, these effects have caused what is called the gap between social housing and the private market in which, among other groups, (low) middle income starters are stuck.</p> <p>The buyers' market is equally inaccessible, as since the economic crisis it has become increasingly harder to apply for a mortgage and the affordable housing stock has shrunk.</p> <p>Many of the issues described above cannot be affected by the starters themselves. The aim of the research is to find ways for starters to organize themselves to 'create' affordable housing amidst the overstrained housing market. My fascination lies in finding ways to establish collective self-organized housing as an affordable alternative to a more passive consumer-driven housing culture.</p> <p>To achieve this, research is done on aspects of design that might contribute to the affordability of self-organised housing. These 'aspects of design' entail more than the actual design of the building; the research covers three main themes, namely <i>finances, organisation and design itself</i>.</p> <p>With finances the form of ownership, individual funding and external funding are considered in relation to affordability.</p> <p>Organisational aspects, such as community life, management of design and building process, sweat equity and maintenance are expected to affect the affordability.</p> <p>In design itself, program, construction, materials and sustainability are determined as aspects of research.</p>
<p>research questions and</p>	<p>Graduation: "How can aspects of design contribute to the affordability of self-organised housing for starters in</p>

	<p>Amsterdam?"</p> <p>Research project: "How do aspects of design affect the affordability of self-organized urban housing projects?"</p> <p>Design project: "How is the design of a housing block in Amsterdam for starters influenced by the evaluation of design aspects in affordable self-organized urban housing projects?"</p>
<p>design assignment in which these result.</p>	<p>The design of one (or more) housing block(s) for starters and possibly other income/social groups, when research and analysis would provide motivation to do so.</p> <p>The site is located between the ring road A10 and the Rembrandtpark, on top of existing semi-underground parking garages that are located between high-rise residential towers.</p>
<p>Process</p>	
<p>Method description</p> <p>Research:</p> <ul style="list-style-type: none"> - The research will be done through literature study and a multiple case study. The literature study will provide background information on the problem, self-organisation as a possible solution, the relevance of the research and a description of context of the cases. The multiple case study consists of three cases, one of which is located in Amsterdam and two cases in Brussel and Zürich. The case of Amsterdam is primarily chosen to assess self-organisation in the Dutch housing culture, whereas the two other cases might offer alternative methods and processes to incorporate in the project. The multiple case study is conducted through literature, websites and interviews with the architect(s) and resident(s) of the project. - The design is primarily informed by the research, as design decision on program, materials, construction etc. are influenced by findings in the research project. Additional analysis on the site, program of requirements and relevant references will be conducted parallel to the design process. 	
<p>Literature and general practical preference</p> <ul style="list-style-type: none"> - Research data on the Amsterdam housing market, the characteristics of the starter in Amsterdam and the role of self-organised housing in the housing culture of Amsterdam (research/design) - elaborate - Idem for Brussels and Zürich (research) - brief - An overview of the preferences and limitations of starters in Amsterdam (design) - Maps and data on the surrounding area of the chosen site (design) 	
<p>Reflection</p>	
<p>Relevance</p>	

This graduation project will provide critical knowledge on the design tools that architects, but also other contributors, involved in self-organised urban housing projects in Europe and Amsterdam specifically, can utilize in practice to guard the affordability of their project. It points out where there are opportunities to make the project more affordable, and on the contrary which aspects have a risk of decreasing the affordability and effectively reducing the chance of the project to succeed. Because the research is only a cross-national comparison of three cases, it might contribute to broader research on a European level, when more cases could be included.

In the design project, an interpretation of the acquired knowledge will be done in the form of a proposal for a housing block which is hypothetically self-organised by starters. The design could be considered to be a concrete and tangible representation of the research.

As the graduation project sets out to establish collective self-organized housing as an affordable alternative to a contemporary passive consumer-driven housing culture, the proposal could contribute to a wider acceptance of affordable self-organised housing in Amsterdam.

Time planning

A scheme of the planning can be found on the next page. No exams or minors are taken during the graduation period.

week	<i>research</i>	<i>design</i>	<i>workshop</i>
1.1	Defining research goal	Defining design goal	
1.2	Defining research goal	Defining design goal	

1.3	Defining research goal	Defining design goal	Thematic group formation
1.4	Defining research goal	Defining design goal	
1.5			
1.6			Workshop presentations
1.7			Thematic group discussion
1.8	P1	P1	
1.9			
1.10			
2.1		Defining possible sites	
2.2	Interviews case Amsterdam	Short site analysis	
2.3			
2.4		Site selection	Meeting Alijd -> speaker
2.5		Plan analysis dense low-rise Preparing drawings -> model	
2.6	Interviews case Brussels	Site model 1:500	
<i>Christmas break week 1</i>	Processing interviews Brussels Literature studies introduction		
<i>Christmas break week 2</i>	Literature studies context cases		
2.7	Research paper Preparing presentation Contacting architects/residents case Zürich	Model studies Site analysis Plan analysis Sketching urban/dwelling Preparing presentation	Reservation Bouwpub
2.8	Preparing presentation P2: 13 January 14.45	Preparing presentation P2: 13 January 14.45	
2.9	Reviewing paper i.r.t. comments P2 Preparing case Zürich	Reviewing design process i.r.t. comments P2 Implementation plan analysis in design	Promotion posters, Facebook etc.
2.10	Reviewing paper i.r.t. comments P2 Preparing case Zürich Meeting Sake/Darinka?	Sketching urban/dwelling Floorplans 1:200 Sections 1:200 Elevation 1:200 Meeting Olv?	Meeting Alijd v. Doorn/John Heintz
<i>Spring break</i>		Sketching / model making	
3.1	Interviews case Zürich?	Section 1:50 / 1.20 / 1:5 Meeting Ype?	Preparing workshop?
3.2	Interviews case Zürich?	Sketching / model making	Preparing workshop?
3.3	Interviews case Zürich?	Floorplans 1:100 Sections 1:100 Elevation 1:100 Meeting Olv?	Preparing workshop?
3.4	Processing interviews Zürich!!	Section 1:50 / 1.20 / 1:5 Meeting Ype?	Workshop @ Bouwpub Processing outcome workshop

3.5	Finishing research paper Preparing presentation	Preparing presentation	Processing outcome workshop
3.6	P3?	P3?	Hand in results
3.7	P3?	P3?	
3.8	Reviewing incorporation research and design	Reviewing incorporation research and design Sketching / model making	
3.9	Reviewing incorporation research and design	Sketching / model making	
3.10	---	Sketching / model making	
4.1	---	site 1:5000 / 1:1000 plan ground level 1:500 plans elevations, sections 1:200 / 1:100 part of the building, plan and drawings 1:50 façade fragment with hor. and vert. cross-cut 1: 20 details 1:5	
4.2	---	site 1:5000 / 1:1000 plan ground level 1:500 plans elevations, sections 1:200 / 1:100 part of the building, plan and drawings 1:50 façade fragment with hor. and vert. cross-cut 1: 20 details 1:5 3D visualisations	
4.3	Preparing presentation	Preparing presentation	
4.4	P4?	P4?	
4.5	P4?	P4?	
4.6	Lay-outing?	Fixing old drawings Final model 1:100? 3D visualisations	
4.7	Lay-outing?	Fixing old drawings Final model 1:100? 3D visualisations	
4.8		Fixing old drawings Final model 1:100? 3D visualisations	
4.9	Preparing presentation Making hand-outs	Preparing presentation Making hand-outs	
4.10	P5?	P5?	
4.11	P5?	P5?	