



ARTCITY_vs._ARTPARK

THESISPLAN

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RMIT_KEMA





COLOFON

ARTCITY vs. ARTPARK

Thesis plan
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AR3AR111 RMIT Graduation Studio (Conservation, Modification, Intervention, Transformation)
(2011 -2012 Q3)

Supervisors: Lidy Meijers, Frank Koopman

AR3AR051 RMIT Thesis Plan (2011-2012 Q3)
Supervisors: Lidy Meijers, Hilke Zijlstra





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INTRODUCTION

In this thesis plan I will show my background of my graduation project. What am I doing? What is my goal? And how do I want to achieve all that in the next 8 months left in front of me? This is in a very short way where this thesis plan is all about. This report will therefore be a guideline for my graduation project, where I always could look back to see what my first ideas were at the beginning. So in this way it would be easier to reflect on the actual design process at the end and during my design process itself.

Judith Margot Rodenburg



PERSONAL MOTIVATION

Personal Motivation

First of all I have had always a big interest in the combination of old and new in architecture as well as furniture. It gives a certain kind of warmth to a place instead of a total new nowadays architecture, which looks like a showroom instead of a place where you feel comfort. The story behind a place, the history, is much more touchable when you play with old and new. This history of buildings could be the answer for the future¹. But this is not the only reason why I am interested in RMIT (Conservation, Modification, Intervention, Transformation), architecture is changing during the time.

Through the enormous development of the technology nowadays architecture has become a more temporarily solution than it was ages ago. The needs, qualities and requirements for each sector and target group changes by day. That is why you see more and more often that a certain function no longer requires a certain given architecture anymore to execute their function². For interest in Maastricht, as I grow up there, there are churches which are transformed into a bookshop or a hotel, respectively the Selexyz Dominican church and the Kruisheren hotel. But we see more examples every single day.

As more vacancy is rising in each different sector, we can respond to the rapidly changing needs, qualities and requirements. This definitely the future for architecture in Europe and other Western countries, because we will see less growth in the next decades than countries as India, Brazil and China. Although the vacancy of buildings is rising, there is still much demand for new spaces because needs, qualities and therefore the

requirements are changing constantly. Despite this aspect there are always new concepts created in the working, living, sports or culture sectors. So what interesting is about RMIT is that we use those existing vacant buildings to redevelop those buildings with current standards and with new innovative concepts.

Another aspect what is very important these days is flexibility. Because our standards are constantly changing as the technology is going faster each day, we must act accordingly. It should be easier for buildings to adapt to its new requirements. How, that is one of the questions for RMIT which I think is very important for the nearby future.

All These aspects are the most important reasons why I started my graduation project at RMIT. But my specific reasons why I wanted to do the graduation project at the KEMA (Keuring Electrische Materialen Arnhem) in Arnhem are the following ones:

First of all, how I knew the city of Arnhem was as a fashion city and as I am interested in art and fashion as well as architecture I immediately saw here an opportunity for my future design. But of course this wasn't all. Also the big history of Arnhem and its surroundings; the nature park "the Veluwe" and the river "the Rijn" attracted me to choose for this project. Nothing said yet even of the architecture of the industrial buildings at the site surrounded by an English landscape architecture.

¹ Hilke Zijlstra lecture, Symposium Re-use Sustainability, 09-05-2012, TUDelft

² Paul Meurs, Lecture serie, Heritage Development, feb 2012- mar 2012, TUDelft



THE CONTEXT

The Context

So what is clear now is that my graduation project is a former industrial area, the "KEMA" terrain. The KEMA terrain or nowadays so called "Arnhems Buiten" is situated on the edge of the west of Arnhem. The Urban spread & activity of Arnhem has developed itself during the years to the east of the city. Later on the spread did continue to the south of Arnhem and therefore the other side of the river "the Nederrijn". In this way the finger structure has been developed. The greenery of Arnhem and its surroundings is situated around the city. At the location of KEMA / Arnhems Buiten the nature 'Veluwe', Arnhem and Oosterbeek meets with each other. It forms the transition between city and nature, which is quite rare for an industrial site.

The terrain consist of four separate areas with bad or hardly any connections between those four different parts (see figure 1). The "Den Brink" part is one of those four parts and is built between the thirties and the sixties. On this part I will focus. This part is based on the principles of the English landscape architecture where during the years the necessary exceptions are made because of functional reasons. The buildings on the site itself consists mainly of the style of the "Haagse School" (see figures 2-4), which concerns with the relationship between horizontal and vertical accents in a-symmetric way, to organise the building in this way to clarify the route to a certain space. Because the buildings could no longer require the demands years ago most of the functions are moved to new buildings near the old site spread over the three other areas of KEMA. So that is why the buildings,

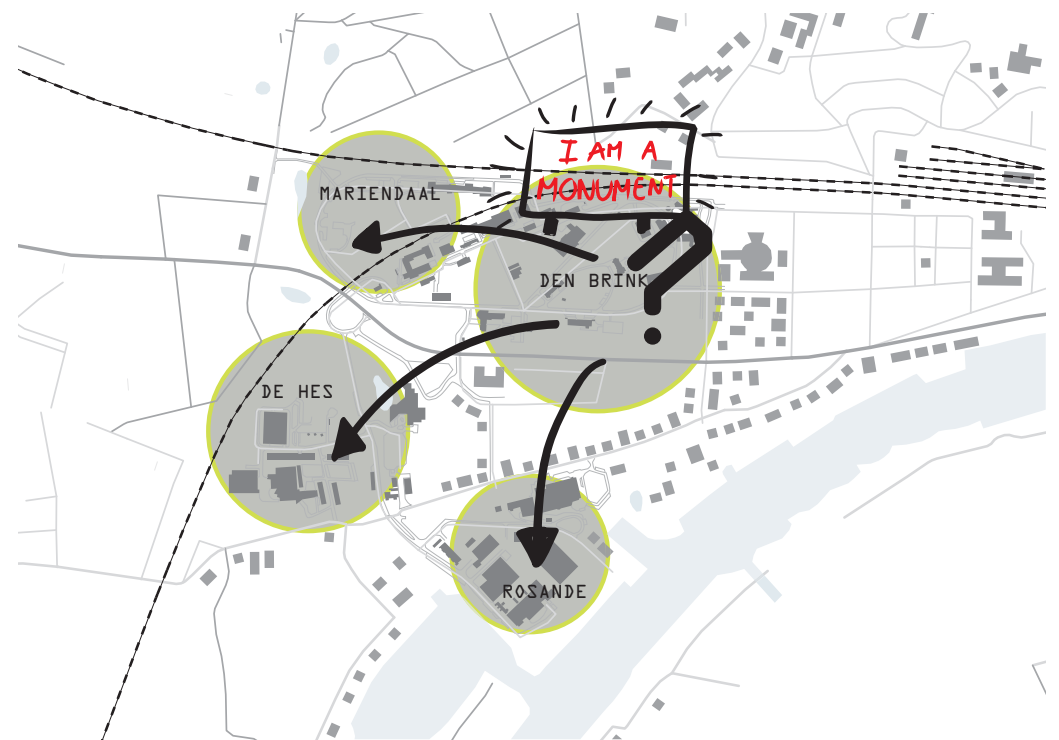


figure 1 (made by author)



figure 2 (made by author)

THE CONTEXT

build from 1936 till 1956, are almost all vacant at the moment. The architect Fels and Schoemaker introduced the first buildings on the site in combination with the existing English landscape. Over the years, we see that there are several extensions and new buildings that has been fully developed because of its demand. Despite the almost twenty years' time difference between the buildings it is all designed in the same kind of style. Another architect, Hamerpagt has taken over the former architects of KEMA, but adopted the style of Fels and Schoemaker, but technique has improved over the years so the details are different from the inside. Outside of the details you still see a similar architectural solution. In this way Hamerpagt showed respect to the former architects of the buildings. But must we still use the same principle 65 years later? To conclude we can say that this part of the KEMA terrain, the "Den Brink" part is de most monumental part of the site. There are even buildings which are listed monuments as well as the landscape, which is a protected city view.

After this short introduction we can expect what the task is for this graduation project; we have to find a new solution for the area of the KEMA terrain and its vacant buildings after having done research and analysis on many different levels.

Now we know a bit about the KEMA terrain, but what is Arnhem actually? Arnhem is a cultural city in the east of the Netherlands in the first place, there is almost on every segment of culture something to be find in Arnhem; from young designers fashion till the Artez Academy for fine arts.



figure 3 (made by author)



figure 4 (made by author)

PROBLEMS AND OPPORTUNITIES STATEMENT

Of course could this be more comprehensive in the future to really make it a good self-supporting sector. Arnhem wants as well to elaborate the fact that it has a lot of Energy linked companies, so the city wants to execute itself has an Energy city as well, but only on a business level. Further Arnhem is one of the greenest cities of the Netherlands and is the capital of the province of Gelderland and has a good connection towards the West, North and South of the Netherlands, but even so important to the East, Germany.

Problems and Opportunities Statement

Now that we have a small idea about the context of my graduation project we can zoom in a little bit more. Our site and its surroundings doesn't only have problems, but in fact has a lot of opportunities as well. Often you see that a problem could also be at the same time an opportunity for the future usage. Another thing which we see often is that on different levels of a design site or so called 'case to be solved' you have different problems and different possibilities for the future. I made a distinction of three levels: a city exposure level, an urban level and an architectural / building technology level.

On city exposure level:

Problems:

Arnhem wants to be an energy city on a business level next to a cultural city which acts on a wider perspective. Why not combine those two?

Arnhem wants to create a cultural cluster, which gives lots of possibilities to combine different sectors of culture. So far it is a good thing, but they are developing a total new building complex, which is going to cost an enormous amount of money. Despite the fact that most of the culture sector wants to execute their passion in exciting buildings. Which there are many of them just like the rest of the Netherlands in Arnhem. For instants the KEMA area.

Opportunities:

Arnhem could use the "Energy label" in a much wider perspective than only the business part, but also on a public basis. Energy could mean a lot of other things. Such as dance, performance, light, art, music, enthusiastic, aggressive, etc. So the Energy city Arnhem wants to be, could be linked to the cultural sector. For instance supported by MADE in ARNHEM, like fashion, art events, education and many more.

A cultural cluster is a good opportunity for a city as Arnhem, but use instead of buildings in a total new complex the existing buildings where we have plenty of these days. The KEMA terrain could be a solution to this matter.

On urban level:

Problems:

The KEMA terrain is itself a closed separated area which has no connection with its surroundings on almost all scale levels.

In the public realm of the site from KEMA we don't see any staying places, so you don't



AIMS OF THE PROJECT

see the beauty of the place because you are only passing by without any moment of reflecting to notice what is all around you.

Another thing which is going together with the last problem is the fact that there are too many cars all over the site spread. This spoils the landscape and its views and also therefore the experience of the site.

As mentioned before one part of the four areas is almost totally vacant. To be exact the area of "Den Brink" which is also the most monumental area is going to be almost completely vacant, what to do with this, that is an important question?

Opportunities:

The vacancy is a problem as well as an opportunity! One of the four part of the KEMA terrain is the most monumental area. This is also the place where the vacancy is growing each day more and more. So this area, the 'Den Brink', is the part with the most opportunities for the future.

The English landscape architecture is a not that common style we see often in the Netherlands especially in combination with an industrial site. This is unique for the Netherlands and even for the rest of the world.

On architectural / Building technology level:

Problems:

The buildings do not longer require to the functions where it originally was built for.

The condition of all the buildings is going backwards

Opportunities:

The returning similar architecture style "de Haagse stijl" is an interesting thing in combination with the well design park around it.

The former function created buildings with un usual dimensions and half open facades, which gives the opportunity to develop special buildings in the future.

Aims of The Project

After having seen the problems and opportunities we can clarify the overall aims of my design project, which are the following aims:

The 'Den Brink' area is a protected city part with several monuments. I want that the residents of its close surroundings, the people of Arnhem and the rest of the Netherlands or even an international level can experience this unique park / industrial site. This is going to be a challenge, because each scale level requires different solutions.

Although there is a good practical connection between the city and the KEMA terrain I want to approve this practical connection on more different scale levels. But not only the practical / physical connection is important, the non-physical connection is maybe even more important! So what is this connection at the moment? And how can we improve this connection? I want to achieve



RESEARCH QUESTION(S)

that there is strong physical as well as a non-physical connection in the future.

Another thing I want to achieve is that the residents and the visitors of Arnhem will get the experience from urban to nature or more specific from the city centre towards the views of the Rijn to the first steps from the nature park "the Veluwe".

And as it is important for an experience to have moments of staying and moments of passing I want to create more possibilities to stay because it is lacking in the KEMA terrain nowadays.

Research questions

Because of these aims and the already mentioned problems or opportunities the following research question appears:

How could a intervention of the Zoetenlab ensemble in the area of the "Den Brink" with a cultural function for the neighbourhood as well as the rest of the Netherlands induced to give the experience of the transition from City to the "Veluwe"?

After introduced this main question some other sub questions immediately appear as well:

Sub questions:

How to achieve a culture park into the area of the 'Den Brink', which is a stimulator for its surroundings, Arnhem and the East of the Netherlands?

How to create a better connection between the area of the 'Den brink' area and the

city of Arnhem and in this way with the rest of the Netherlands?

Which kind of functions could be suitable to achieve those public and creative aims on the site of the 'Den Brink' area?

Which kind of tools do I have to use to create the experience of transformation from the urban city to the river 'Rijn' to the eventually the park 'Veluwe'?

Societal & Scientific Relevance

After having introduced my research question and sub questions the question which has left is what is the societal and scientific relevance of creating a cultural function at the KEMA area? Of course in the context of the design project from this thesis plan the fact that Arnhem is cultural city or at least wants to be is very obvious goal we know now. But is not the only thing which is clear. There is an enormous demand for a Culture Cluster in Arnhem by the residents, municipality and the artists themselves. This is very easy to see at the recent culture nota (Dec 2011) of the municipality of Arnhem, where all different stakeholders showed what their goal is and what is needed to achieve that certain goal or goals. That Arnhem is missing a culture cluster to inspire each other is obviously clear as we look to the big plans of the municipality; "Rijnboog". They are developing a total new building complex close to the city centre and the river Rijn, which is going to cost an enormous amount of money. Despite the fact that most of the culture sector wants to execute their passion in exciting buildings. Which there are plenty of them in Arn-



SOCIETAL & SCIENTIFIC RELEVANCE

hem just like in the rest of the Netherlands. In this case the KEMA terrain would be suitable to be an cultural cluster, which simulates the connection from this area to its surroundings, to Arnhem and even possible to the rest of the Netherlands.

At the CIAM conference in 1951 they made it very clear that cultural development is an essential element of the city planning and experience.

"The core is an artifact, a man-made and essential element of city planning. She is the expression of the collective thinking and spirit of the community, who gives the city itself a humanized meaning and form." ³

And even more specific; "Urbanity is the framework in which Architecture and other visual arts should be intrigued to recreate a social function to be obtained. This integration will be achieved through synthesis of the efforts of architects, painters and sculptors who work as a closed team." ⁴

So combining different aspects of the cultural world could be the answer for the KEMA terrain and Arnhem as an cultural city. The importance of artists working together to get to another level, with new concepts we see also back in the fact that "... the use of spatial authority has to oscillate between acceptance and rejection. Instead of falling back into the traditional patterns of his discipline, the architect has to construct a "thing" that can be shared with other disciplines." ⁵ Like for instants artists, scientists and curators.

The most important and most well-known art industry in Arnhem is the fashion indus-

try. This industry could be perfect to be a catalyst for all different art industries to achieve the collaboration between all different aspects of art.

"Fashion shows are at the same time a market; a demonstration of new tastes, ideas, technologies and skills; and theatre." ⁶

"The audience at the show is not a passive crowd but an active part of the transformation of the newly presented designs into legitimate pieces of fashion." ⁷

³CIAM, Een korte schets van de kern, 1951

⁴CIAM, Een korte schets van de kern, 1951

⁵Making things, Public Atmospheres of Democracy, The Architectural Thing, The making of "Making Things Public", Nikolasu Hirsch, Michel Muller

⁶Making things, Public Atmospheres of Democracy, The Parliament of Fashion, Pauline Terreehorst, Gerard de Vries

⁷Making things, Public Atmospheres of Democracy, The Parliament of Fashion, Pauline Terreehorst, Gerard de Vries



METHODOLOGY

Methodology

To achieve a wide overall background for my final design, a cultural cluster / creative factory at the Zoetenlab ensemble in the monumental area "Den Brink" I want to use the following well know methods:

Research by design:

- Sketching
- Model making

Research by analysis:

- Mapping
- Taking interviews

Research by reading:

- Collection articles & books

Archive research:

- Collection maps during the years & stories

Field research:

- taking pictures
- Sketching

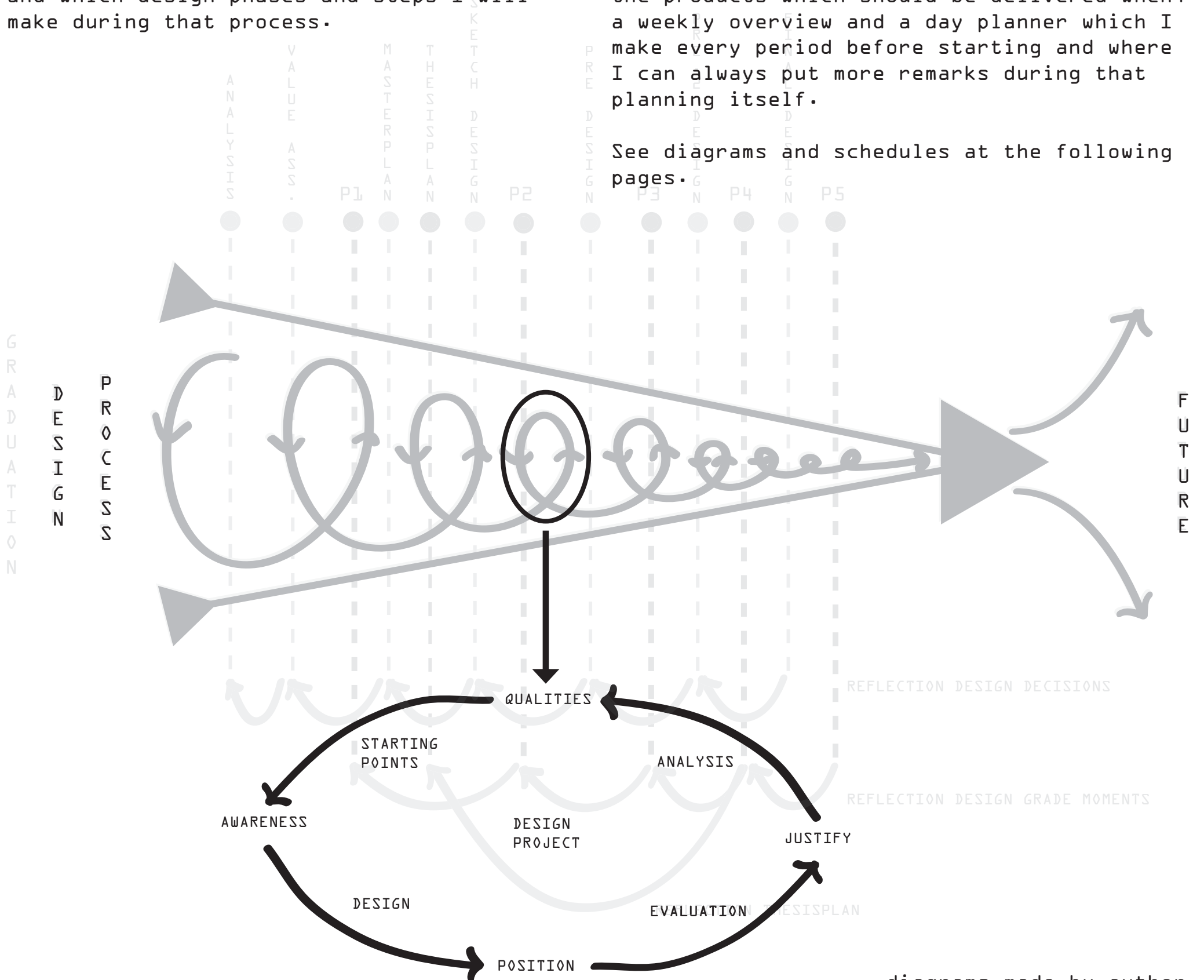


PHASING, PLANNING & FINAL PRODUCTS

First of all I made a diagram which makes clear how a design process normally works, how this for me and my P1 till P5 will be and which design phases and steps I will make during that process.

As it is very important to plan such a long graduation project I made three different planning schedules. One year overview with the products which should be delivered when, a weekly overview and a day planner which I make every period before starting and where I can always put more remarks during that planning itself.

See diagrams and schedules at the following pages.



diagrams made by author

PHASING, PLANNING & FINAL PRODUCTS

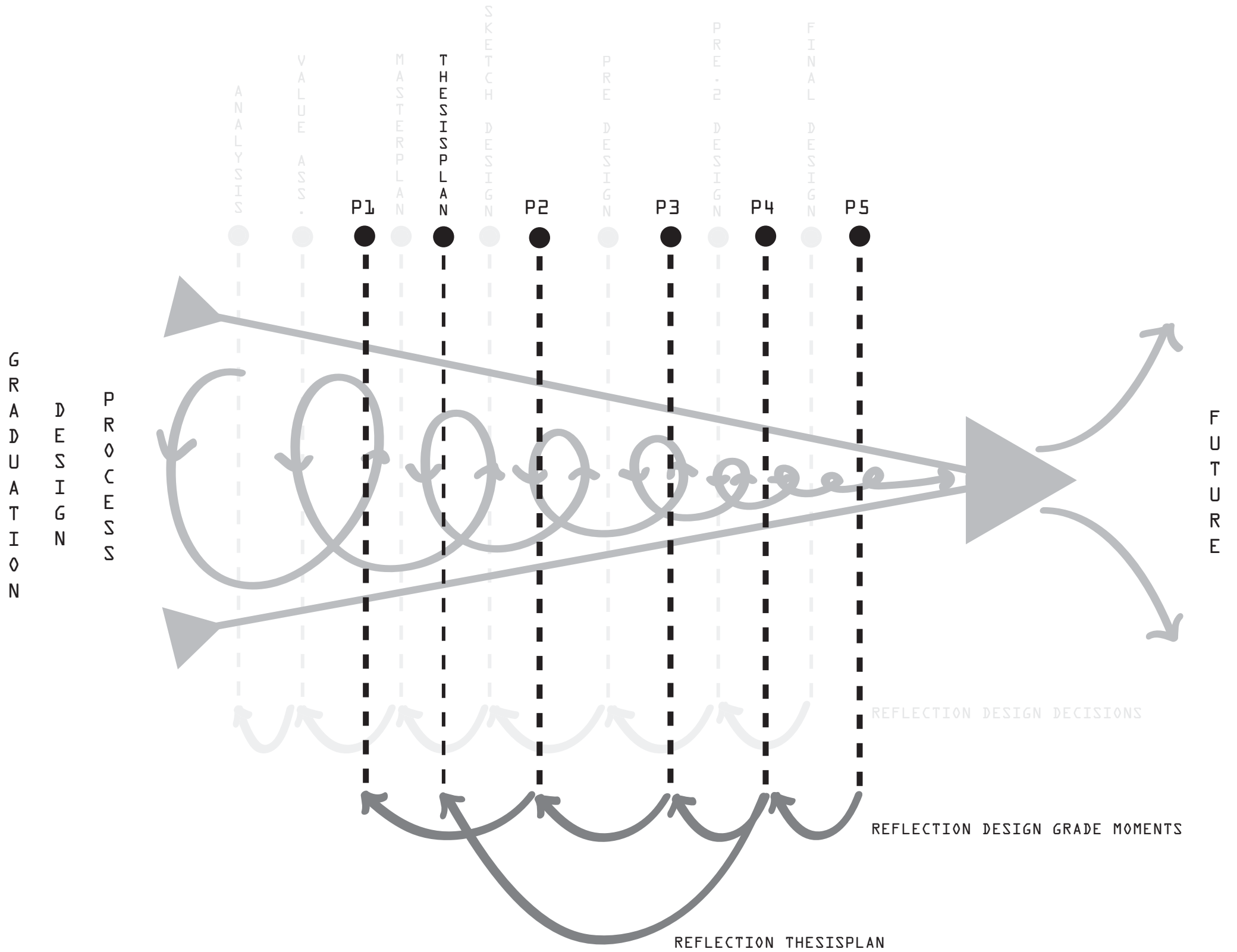


diagram made by author



PHASING, PLANNING & FINAL PRODUCTS

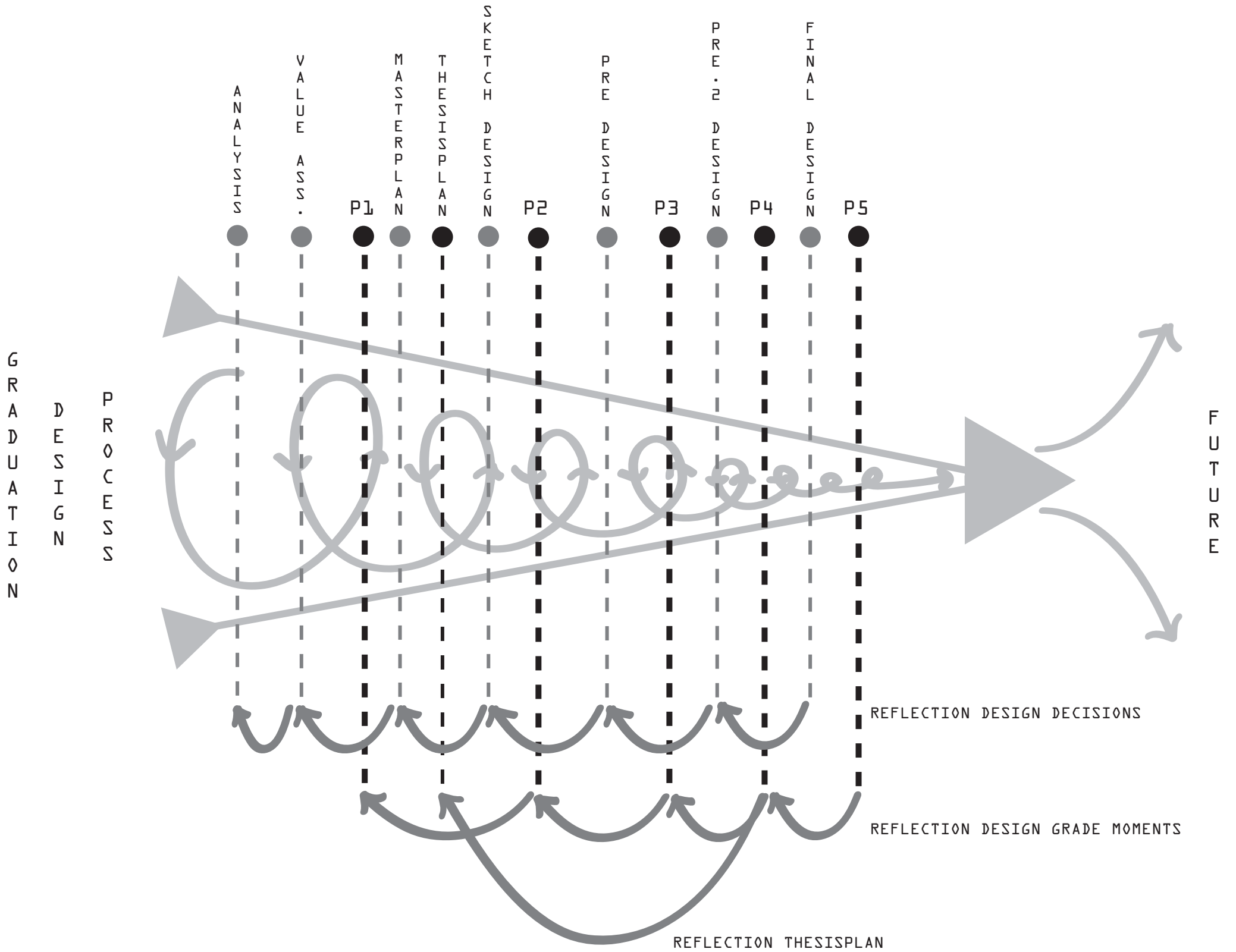


diagram made by author



PHASING, PLANNING & FINAL PRODUCTS

Graduation_planning_Judith_Margot_Rodenburg_b1279750

Week	Period 1	Week	Period 2	Week	Period 3	Week	Period 4
1	intro	11	Develop first ideas of the site	21	Develop plans, sections 1:200	31	Finish so far all drawings
2	Urban Analysis	12	Develop concept masterplan (urban)	22	Develop plans, sections & facades 1:200	32	Prepare P4
3	Urban Analysis	13	Develop masterplan 1:1000	23	Develop plans, sections & facades 1:100	33	Prepare P4
'Krokus' Holiday	History Thesis	14	Develop masterplan 1:500	24	Develop plans, sections & facades 1:100	34	P4
4	Architectural Analysis	15	Choose one part to develop on building scale	25	Develop part of the plan, section & façade 1:50	35	P4
5	Architectural Analysis	16	Develop concept for Building scale + Program of requirements	26	Develop part of the plan, section & façade 1:20	36	Reflect on P4 Make last changes
6	Building Technology Analysis	17	Sketch design 1:200	27	Develop first details 1:5	'Christmas' Holiday	Enjoy Christmas + start with final presentation!
7	P1	18	Prepare P2	28	Prepare P3	37	Prepare P5
8	Reflect on P1 + Personal Analysis	19	P2	29	P3	38	Prepare P5
9	Finish History Thesis Materialisation Excursion "Veluwe"	20	P2	30	Reflect on the P3 Continue with working out all the drawings!	39	P5
10	Thesis plan	'Summer' Holiday	Reflect on the P2. Continue with developing my design + Enjoying summer			40	P5

PRODUCTS PRESENTATIONS

P1	Design + research: - thematic research - situational research Research: - essay 3000 words
P2	Design + research: - Urban draft 1:1000 / 1:500 - Programme of requirement - Draft design (plans, sections, facades) 1:200 - Graduation plan
P3	- plans, facades, cross-cuts, 1:200 / 1:100 - part of the building, plan and section 1:50 - façade fragment with hor. and vert. section 1: 20 - details 1:5
P4	- theoretic and thematic support of research and design + reflection on architectonic and social relevance - situational drawing 1:5000 / 1:1000 - plan b.g. in situ 1:500 - plans, facades, sections 1:200 / 1:100 - part of the building, plan and drawings 1:50 - façade fragment with hor. and vert. section 1: 20 - details 1:5
P5	- theoretic and thematic support of research and design + reflection on architectonic and social relevance - situational drawing 1:5000 / 1:1000 - plan b.g. in situ 1:500 - plans, facades, sections 1:200 / 1:100 - part of the building, plan and drawings 1:50 - façade fragment with hor. and vert. section 1: 20 - details 1:5

schedules made by author



Period 1

PHASING, PLANNING & FINAL PRODUCTS

WEEK + DATE	HAND_IN + PRESENTATIONS	WHAT?	WHY?	HOW?	PRODUCTS	NOTES / REFLECTION MOMENT
1		intro	To start with graduation project!	Collect all information for graduation project		
2		Urban Analysis	To get a better idea of the site in terms of what is needed and what are to options!	Divide the group in smaller groups per subject. Look @ past present & future	Maps on different topics and scales, diagrams, schemes, sketches, pictures, etc	What, when, where & why?
3		Urban Analysis	Make personal UA to find the most important conclusions.	Make your own vision of the site	3 A3's with your own vision of UA + presentation	'Design information'
'Krokus' Holiday	Mon. 27-02: 2min Urban pers. Analysis presentation	History Thesis	Has to be finished before P2 request (27april)	By research and writing	History Thesis	
4	Mon. 05-03: hand in: Pers. Urban Analysis	Architectural Analysis	To get more information of the buildings itself on the site	Analyse each specific building	Reduced plans, sections, facades of the analysed building	
5	Thu. 15-03: 2min pers. Architectural Analysis presentation	Architectural Analysis	Make personal AA to find the most important conclusions.	Make your own vision of the your most interested building.	3 A3's with your own vision of AA + presentation	
6	Mon. 19-03: hand in: Pers. Arch. Analysis	Building Technology Analysis			3 A3's with your own vision of BT + presentation	
7	Mon. 26-03: presentation + hand in: pers. Building technology Analysis	P1: Present whole analysis plus first ideas of the site	P1: To know how far you are and what your intention is.	Make conclusion of the whole analysis and create your own vision!	P1: Presentation + posters	
8	Mon. 02-04: P1 Teu. 10-04: hand in: P1 report	Personal Analysis	To order the analysis / research so far	Collect all info, analysis & sketches. Make booklet / report of it.	Analysis booklet / P1 report	Look back at P1 and make chances if needed
9	Wed. 11-04: hand in: History Thesis	Finish History Thesis Materialisation Excursion "Veluwe"	So P2 is possible to do on time. / To get an experience of the Veluwe	Writing! / Look at buildings in the nature of the Veluwe.	History Thesis	
10		Thesis plan	To have an overview of your graduation project		Graduation thesis plan	'Keep it SIMPLE' 'WHY?'

Period 2

WEEK + DATE	HAND_IN + PRESENTATIONS	WHAT?	WHY?	HOW?	PRODUCTS	NOTES / REFLECTION MOMENT
11	Presentation 'tool' choice building and program	Choose a building & program	To start designing	In a presentable way	Model / machine	
12		Develop concept masterplan (urban)	To get a bigger overview of my ideas	In little group with similar idea about the site	Impressions, plans, presentation, analysis / research, story	ARTPARK ARNHEM
13	Presentation Masterplan	Develop masterplan 1:1000	To evaluate the masterplan on a scale level	More research and sketching	New plans of the masterplan and research	
14		Develop masterplan 1:500 + Thesisplan	To finish the masterplan so far	Research + sketching	Research & sketches	
15	Thu. 24-05: hand in: Thesis plan	Finish Thesisplan, research, start sketch design	To get the complete picture of my design, total story	By research, writing & reference	Thesisplan First sketches	
16		Sketch design 1:500	To get closer to a real design	By sketching, modelling	Sketches: plans & sections, models, complete concepts	Achieving what you wanted with the masterplan?
17		Sketch design 1:200	To get closer to a real design	Autocad drawings, modelling	Plans, sections, facades, model	
18		Prepare P2	To present a good P2		Drawings, 3d sketches, models, slideshow, posters	Stress!
19	Mon. 18-06: P2	18 June: 9.00	To continue my graduation project	Good presentation in speech and image	Slideshow, model(s), posters	Practice! Look back at P2, what should be improved?
20		Relax	To get new energy for my graduation project	Italy	A Tint + memories ☺	Enjoy
'Summer' Holiday	P2 retake Thursday 05 July	Reflect on the P2. Continue with developing my design + Enjoying summer	So I don't forget my design and get lost	Always bring my sketchbook with me	Sketches, research, references, pictures	Reflect on what you achieved so far! What are the next steps?

schedules made by author



PHASING, PLANNING & FINAL PRODUCTS

Planning graduation project - Judith Rodenburg

DATE	HAND_IN PRESENTATIONS	SCHEDULE	TO DO	PRIVE
Week 2 Ma 13-02		1 + 2: Studio 3 + 4: AR3AR051	- Planning msc 3 done - Working on Urban analysis	
Di 14-02	Planning Msc 3	1 + 2: AR3R071 3 + 4 AR3AR051	- Working on Urban analysis	Valentine!
Wo 15-02			- Working on Urban analysis - Start History thesis	Yoga
Do 16-02		10.00 @ Kema 13.00-16.30: diverse lectures	- Making sketches @ Kema	
Vr 17-02	Urban analysis Functional / economical spatial connections	1 + 2: AR3AR051 3 + 4: meeting studio group	- First conclusions of the Urban analysis	18.00-00.00 babysitting
Za/Zo 18/19-02			- Building technology article DONE	Za 18 feb: family diner
Week 3 Ma 20-02	Thesisplan: table of content + Planning Msc 3 + 4	1 + 2: Studio 3 + 4: AR3AR051	- Urban analysis special part done	
Di 21-02		1 + 2: AR3R071	- Working on personal Urban analysis (conclusion)	
Wo 22-02			- Working on personal Urban analysis (conclusion)	
Do 23-02		Studio	- Working on personal Urban analysis (conclusion) done! - Starting Architectural Analysis	
Vr 24-02	Hand-in: Building technology article		- Finishing & printing Building technology	21.00: Housewarming Sam
Za/Zo 25/26-02			- HISTORY THESIS - Checking presentation Urban analysis	Za 25feb 18.00: Kerstdiner Huize plop
Week vakantie Ma 27-02	Presentation Urban Analysis, 2 min personal conclusion	@ BK Delft	- Presenting ☺ - HISTORY THESIS	
Di 28-02			- HISTORY THESIS	
Wo 29-02			- HISTORY THESIS	

DATE	HAND_IN PRESENTATIONS	SCHEDULE	TO DO	PRIVE
Do 01-03			- HISTORY THESIS	
Vr 02-03			- HISTORY THESIS	
Za/Zo 03/04-03			- HISTORY THESIS - Urban analysis 3 personal conclusion pages done	
Week 4 Ma 05-03	Hand-in: Personal Urban Analysis	1 + 2: Studio 3 + 4: AR3AR051	- Working on architectural analysis	
Di 06-03		1 + 2: AR3R071 3 + 4: AR3AR051	- Working on architectural analysis	
Wo 07-03	Draft version History thesis		- History thesis	
Do 08-03		Studio	- Working on architectural analysis	Birthday Papa
Vr 09-03			- History thesis	
Za/Zo 10/11-03			- History thesis - Working on Thesisplan	
Week 5 Ma 12-03	Thesisplan: Research Questions, Points of reflection, I'm the best at..	1 + 2: Studio 3 + 4: AR3AR051	- Architectural analysis done	
Di 13-03		1 + 2: AR3R071	- Working on personal AA presentation	
Wo 14-03			- personal AA presentation done	
Do 15-03	Presentation Architectural Analysis	Studio @ KEMA	- presenting ☺ - Working on Building technology analysis	
Vr 16-03			- History thesis	
Za/Zo 17/18-03			- Working on draft version Thesisplan	
Week 6 Ma 19-03	Hand-in: Personal Architectural Analysis	1 + 2: Studio 3 + 4: AR3AR051	- Working on Building technology analysis	
Di 20-03		1 + 2: AR3R071 3 + 4: AR3AR051	- Working on Building technology analysis	
Wo 21-03	Thesisplan: Hand in Draft version		- Working on draft version Thesisplan - BT analysis done	
Do 22-03		Studio	- Personal BT presentation	

DATE	HAND_IN PRESENTATIONS	SCHEDULE	TO DO	PRIVE
Vr 23-03			- Personal BT presentation DONE	
Za/Zo 24/25-03			- Working on P1 presentation - Checking BT presentation	24maart:: Birthday Mama
Week 7 Ma 26-03	Presentation Building Technology Analysis + Hand in analysis B.T.	1 + 2: Studio @ BK TUDelft 3 + 4: AR3AR051	- Presenting ☺ - Working on P1 presentation	
Di 27-03		1 + 2: AR3R071	- Working on P1 presentation	
Wo 28-03			- Finishing & printing P1 presentation	
Do 29-03	P11	Studio	- Presenting! ☺	
Vr 30-03			- History thesis	
Za/Zo 31/01-04			- History thesis	
Week 8 Ma 02-04	P11	Studio	- Working on booklet of personal analysis	
Di 03-04		1 + 2: AR3R071 3 + 4: AR3AR051	- Working on essay Heritage development	
Wo 04-04			- Working on final booklet of personal analysis	
Do 05-04	Hand-in: Booklet of personal analysis		- Working on essay Heritage development	
Vr 06-04			- Essay heritage development done!	
Za/Zo 07/08-04			- History thesis	Easter
Week 9 Ma 09-04			- History thesis	
Di 10-04			- History thesis	
Wo 11-04			- History thesis	
Do 12-04				Birthday Moi
Vr 13-04			- History thesis checking	
Za/Zo 14/15-04			- History thesis done	

DATE	HAND_IN PRESENTATIONS	SCHEDULE	TO DO	PRIVE
Week 10 Ma 16-04	Hand in HISTORY THESIS			
Di 17-04				
Wo 18-04				
Do 19-04				
Vr 20-04				
Za/Zo 21/22-04				
Week 11 Ma 23-04	Start Second part graduation project	Choice Building + program	Choosing a building and program	
Di 24-04			Making a tool / model to present my building & program	
Wo 25-04			Making a tool / model to present my building & program	
Do 26-04	Presentation of essence of your building & program			
Vr 27-04	Final moment P2 request			Bk beats
Za/Zo 28/29-04				
Week 12 Ma 30-04		Masterplan	First ideas of masterplan	
Di 01-05			Developing masterplan	
Wo 02-05			Developing masterplan	
Do 03-05			Prepare presentation masterplan	
Vr 04-05			Prepare presentation masterplan	Christmas diner Sergio
Za/Zo 05/06-05			Prepare presentation masterplan	
Week 13 Ma 07-05	Presentation Masterplan 5min			
Di 08-05		Develop Masterplan	Elaborate masterplan and make it your own	
Wo 09-05			Elaborate masterplan and make it your own	

DATE	HAND_IN PRESENTATIONS	SCHEDULE	TO DO	PRIVE
Do 10-05		tutoring	Develop research question(s), method and rest thesisplan	
Vr 11-05				
Za/Zo 12/13-05				
Week 14 Ma 14-05		Research, Analysis, sketch design	Research culture analysis Arnhem, Working on Thesisplan, Sketch design	
Di 15-05			Research culture analysis Arnhem, Working on Thesisplan, Sketch design	
Wo 16-05			Research culture analysis Arnhem, Working on Thesisplan, Sketch design	
Do 17-05			Research culture analysis Arnhem, Working on Thesisplan, Sketch design	Hemelvaart
Vr 18-05			Research culture analysis Arnhem, Working on Thesisplan, Sketch design	
Za/Zo 19/20-05			Research culture analysis Arnhem, Working on Thesisplan, Sketch design	
Week 15 Ma 21-05		Research, Analysis, sketch design	Research culture analysis Arnhem, Working on Thesisplan, Sketch design	P4 Boobs 16.00
Di 22-05			Research culture analysis Arnhem, Working on Thesisplan, Sketch design	
Wo 23-05			Research culture analysis Arnhem, Working on Thesisplan, Sketch design	
Do 24-05	DEADLINE final Thesisplan before 10.00 am	tutoring		P4 Suus 10.00
Vr 25-05			Start making model, look for reference projects	
Za/Zo 26/27-05				Adam open air, HOF diner
Week 16 Ma 28-05		Sketch design 1:500	Writing essay for AR	Pinksteren
Di 29-05			Finish Model, Develop design: plans	
Wo 30-05			Develop design: plans + sections	

DATE	HAND_IN PRESENTATIONS	SCHEDULE	TO DO	PRIVE
Do 31-05		Tutoring		
Vr 01-06			Evaluate comments tutoring	Graduation party Corini ijhallen!
Za/Zo 02/03-06				
Week 17 Ma 04-06		Sketch design 1:200	Develop design: plans 1:200	
Di 05-06			Develop design: plans + sections 1:200	
Wo 06-06			Develop design: plans + sections + facades 1:200	
Do 07-06		tutoring		Oud Dope besturen diner
Vr 08-06			Evaluate comments tutoring + Start model(s) P2	
Za/Zo 09/10-06			Last changes of the design so far before P2	
Week 18 Ma 11-06		Prepare Presentation P2	Finish all drawings: plans, sections, facades	
Di 12-06			Reference projects, material suggestion, 3D images	
Wo 13-06			Start with Presentation Posters & Slideshow	
Do 14-06			Finish Posters	
Vr 15-06			Finish Model + take pictures	
Za/Zo 16/17-06			Finish Slideshow Practice story of my P2	
Week 19 Ma 18-06	P2 presentation GO /no GO		P2 9.00	
Di 19-06				Sleep
Wo 20-06				Sleep
Do 21-06				Maastricht
Vr 22-06				Maastricht
Za/Zo 23/24-06				Italy

schedules made by author



LITERATURE

Literature

Dat is architectuur, sleutelteksten uit de twintigste eeuw, Hilde Heyen, Andre Loecks, Lieven de Cauter en Karina van Herck, CIAM, Een korte schets van de kern, 1951, p. 285

Making things Public Atmospheres of Democracy

Edited by Bruno Latour and Peter Weibel, the MIT Press / Cambridge, Massachusetts / London, England, ZKM / Center for Art and Media Karlsruhe. 2005

- Paint/Print/Public, Lisa Pon, p
- Public Experiments, Simon Schaffer
- The Architectural Thing, The making of "Making Things Public", Nikolas Hirsch, Michel Muller
- The Parliament of Fashion, Pauline Terreehorst, Gerard de Vries

Cultuurnota Arnhem dec 2011, gemeente Arnhem

Urban Farming, Een onderzoek naar binnenstedelijke voedselproductie, MAAK architectuur, 25-05-2012

Cultuur in Rijnboog, startnotitie, dec 2005,

Nota van Randvoorwaarden Nieuwstraat / Rijnboog, jan 2011, gemeente Arnhem

Rapportage atelier Rijnboog, Ideeën en reacties uit de stad over de Nieuwstraat, jan 2011, gemeente Arnhem

Rijnboog Nieuwstraat e.o., Schetsontwerp, jan 2011, Urhahn Urban design, gemeente Arnhem en

Stad in balans, Visie op de Maatschappelijke

Ontwikkeling van Arnhem tot 2015, okt 2004, gemeente Arnhem

"Creatoop-strategie", Sairis, J. v. D., S. Metze, T. (2008). Nieuwe ideeën voor oude gebouwen. Rotterdam: Nai uitgevers.

Lectures

Hilke Zijlstra lecture, Symposium Re-use Sustainability, 09-05-2012, TUDelft
Paul Meurs, Lecture serie, Heritage Development, feb 2012- mar 2012, TUDelft

Websites

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www.rijnboog.nl
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Sketch, Which cultural function could attract the public? (Rodenburg, 2012)

