

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	Casper Kraai
Student number	4217020
Telephone number	-
Private e-mail address	-

Studio	
Name / Theme	Dutch Housing Graduation Studio
Teachers / tutors	Theo Kupers, Pierijn van der Putt, Ferry Adema
Argumentation of choice of the studio	Personal affinity for housing design and the city of Amsterdam. Interest in the current housing market and its challenges and opportunities for new design. Using studio as a preparation for work at a Dutch architecture firm.

Graduation project	
Title of the graduation project	54 Koivistokade: metropolitan high-rise living in Amsterdam
Goal	
Location:	Minervahaven, Amsterdam
The posed problem,	<p>Amsterdam is growing rapidly and is projected to surpass 1 million inhabitants by 2032. This growth is primarily the result of the city's international popularity as a place to live and work. In fact, the municipality has negative net migration within the Netherlands.</p> <p>The sustained growth resulting from the influx of young, relatively affluent and mostly international people, will change the city in a number of ways. Amsterdam will become more international and culturally diverse, more wealthy, more competitive and more crowded. These trends coincide with the municipality's ambition to densify the existing city and make</p>

	<p>Amsterdam into an international metropolis.</p> <p>With this continuing international popularity, increased density and metropolitan ambition in mind, new housing forms and living environments should be designed that embody the new metropolis and accommodate the lifestyle of the new metropolitan dwellers.</p>
research questions and	<p>The main question that follows from this problem statement is:</p> <p>“What constitutes a contemporary metropolitan living and dwelling environment?”</p> <p>Other questions to further investigate the topic are related to the people and the built form:</p> <p>“Who are the people that inhabit the contemporary metropolis, specifically Amsterdam? What do the built environment and residential buildings of a metropolis look like?”</p> <p>To get a grasp on contemporary metropolitan living, some background should also be given on its historic developments. Questions posed to investigate this are:</p> <ul style="list-style-type: none">• “What are the origins and historical developments of metropolitan apartment living?”• “How did local and global actors influence this lifestyle?”• “How does the metropolitan lifestyle relate to the skyscraper?” <p>This historic background will form the basis of the analysis of the current situation. To determine what constitutes contemporary metropolitan living the following questions will be answered:</p>

	<ul style="list-style-type: none"> • “What are the current needs and wishes of metropolitanites with regard to their dwelling, living, working and recreational environment?” • “How do current local and global actors influence the metropolitan lifestyle?” <p>The outcomes of the research will then result in a design assignment and a design brief specific for the next phase of the graduation project.</p>
design assignment in which these result.	The design of a high-rise building that embodies a contemporary metropolitan living environment, on the scale of the individual dwelling and building as a whole, within the new urban development of Minervahaven, Haven-Stad and the city of Amsterdam

Process

Method description

The method of research will be:

- Literature study of books, articles, newspapers and websites to define and analyze the target group, investigate the phenomenon of the metropolis, metropolitan apartment living and their historic background.
- Case studies: plan analysis of reference projects and studies of other precedents to define functional and formal characteristics of high-rise buildings and metropolitan living environments
 These are: Lake Point Tower – George Shipporeit
 Amstel Tower – Powerhouse Company
 Vestedatoren – Jo Coenen
- Research through design by virtual reality massing studies, physical modeling and drawing

Literature and general practical preference

BOOKS:

Van Gameren, D., Kuitenbrouwer, P., & Bemont, J. (2009). *Het luxe stadsappartement: The luxury city apartment* (Dash, 2). Rotterdam: Nai Uitgevers.

Hemel, Zef. *De Toekomst Van De Stad: Een Pleidooi Voor De Metropool*. Amsterdam University Press, 2016.

Koolhaas, R. (1994). *Delirious new york : A retroactive manifesto for manhattan*. Rotterdam: 010.

Leupen, B., Mooij, H., Uytengaak, R., & Brinkman, E. (2011). *Het ontwerpen van woningen : Een handboek* ([2e, herz. ed.] ed.). Rotterdam: NAI Uitgevers.

Meyer, H., & Zandbelt, D. (Eds.). (2012). *High-rise and the sustainable city*. Amsterdam: Techne Press.

JOURNAL ARTICLES:

Fraterrigo, Elizabeth. "The Answer to Suburbia: Playboy's Urban Lifestyle." *Journal of Urban History*, vol. 34, no. 5, 2008, pp. 747–774., doi:10.1177/0096144208316712.

Osgerby, Bill. "The Bachelor Pad as Cultural Icon: Masculinity, Consumption and Interior Design in American Men's Magazines, 1930-65." *Journal of Design History*, vol. 18, no. 1, 2005, pp. 99–113., doi:10.1093/jdh/epi008.

Latham, P. (2016, July). Richard Norman Shaw's hidden legacy. *Context*, 145, 26-28. Retrieved June 13, 2019, from <http://ihbconline.co.uk/context/145/30/>

WEB ARTICLES:

Boon, Lex. "Expats Van De Gouden Eeuw: Amsterdam Was Altijd Al Migrantenstad." *Het Parool*, 28 Jan. 2018, www.parool.nl/nieuws/expats-van-de-gouden-eeuw-amsterdam-was-altijd-al-migrantenstad~bfd8da77/. Accessed 11 June 2019.

Couzy, M. (2019, March 09). 10 gevolgen van de bevolkingsgroei in Amsterdam. *Het Parool*. Retrieved June 09, 2019, from <https://www.parool.nl/nederland/10-gevolgen-van-de-bevolkingsgroei-in-amsterdam~bb3309d9/>

De Voogt, Sam. "In Je Eentje Huren in De Woontoren, Dat Is De Toekomst." *NRC*, 21 Dec. 2018, www.nrc.nl/nieuws/2018/12/21/in-je-eentje-huren-in-de-woontoren-dat-is-de-toekomst-a3126746. Accessed 11 June 2019.

Florida, Richard. Millennials Really Are an Urban Generation. 29 June 2018, www.citylab.com/life/2018/06/millennials-are-happiest-in-cities/563999/. Accessed 11 June 2019.

Hall, A. (2017, February 03). Brooklynism: The Logic of Junkspace. Retrieved June 14, 2019, from <https://medium.com/@alechall/brooklynism-the-logic-of-junkspace-ca6e6f2dbceb>

Reflection

Relevance

Most housing design graduation projects are about solving a societal problem or helping the vulnerable. This one is not. Instead it is about embracing a new reality and designing with it. In an ever more competitive and more globalized market, Amsterdam's best chance for economic progress and growth is to go along with the rest of the crowd of global cities. In order to do that the city needs to continue to attract and retain young and international talent that wants to work and live there. Naturally, this also requires adequate housing. This project seeks to add a different type of housing to Amsterdam that is specifically dedicated to this new metropolitan demographic.

Time planning

Week	
21/06	2.45-3.45 P2 Presentation
1.1	Discuss current design after holiday break
1.2	Finalise concept
1.3	Development design (concept, diagrams, plans, building technology)
1.4	Development design (unit plans, facades, sections)
1.5	Development design (unit plans, facades, sections, details, building technology)
1.6	Prepare P3 presentation (drawings, model, presentation)
1.7	P3
1.8	Evaluate P3, improve according to comments
1.9	Development design (plans, facades, sections, details, diagrams, building technology)
1.10	Development design, Finalise Revit model
2.1	Produce final presentable drawings (plans, facades, sections, details, diagrams)
2.2	Produce final presentable drawings, make model
2.3	Prepare P4 presentation (finalise products, practice presentation)
2.4	P4
2.5	P4
2.6	Improve design according to comments P4
---	(Holidays) Improve design/finalise design for P5
---	(Holidays) Improve design/finalise design for P5
2.7	Finalise design for P5
2.8	Finalise design for P5/prepare P5 presentation
2.9	P5
2.10	P5