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:

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<th><strong>Personal information</strong></th>
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<tr>
<td><strong>Name</strong></td>
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<td><strong>Student number</strong></td>
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<th><strong>Studio</strong></th>
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<td><strong>Name / Theme</strong></td>
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<td><strong>Teachers / tutors</strong></td>
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<td><strong>Argumentation of choice of the studio</strong></td>
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<th><strong>Graduation project</strong></th>
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<th><strong>Goal</strong></th>
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Lifestyles also affect the way people use a physical mobility hub with people living in their own cocoon. Nonetheless, transport can’t be simulated virtually and therefore remains an offline activity in the future. Altogether this poses a situation where the meaning of public spaces at a physical mobility hub is on the verge of change.

**Research questions and design assignment in which these result.**

| What is the future role of public space in-between modalities as urban intersections with high density of users influenced by new digital lifestyles? |
| The assignment is to design the public space in-between future modalities such as a drone-port on the roof and an underground metro station. The ambition is to complement and adapt to new digital lifestyles. On a programmatic level the project offers physical activities on the go that can’t be done online. The desired public space contains a vertical circulation between transport modes and forms an horizontal connection through in the city network. The physical character of the building has to influence people’s digital behavior. |

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**Process**

**Method description**

- **Excursion:** Study trip to Copenhagen to learn from a comparable harbor city that deals with redevelopment and regeneration.
- **Hard data:** Mapping and analysing the site (Amsterdam Central) on the current and future conditions. Statistics, maps and models from now and the future are used to create starting points. This is done collectively in the studio group, thus providing an vast amount of input and creating a solid context for the final design. All the information will be collected in a collective research book. We have been elaborating on research done by a previous group of students looking into the same location. My hard data focuses on densification whereas other group members have topics such as: shopping, resources and materials, barriers and infrastructure, automation (working) and tourism.
- **Soft data:** Analysing more subjective topics related to personal research. Here I explored the influence of digital lifestyles on public life. The other topics analysed by the studio group are: shopping, waste, leisure, education and temporal housing.
- **Space data:** To be able to develop a design program, typological research is done on buildings that comprise the same architectural aspects as described in the design.
assignment. For me this involves the evolution of physical space in-between modalities such as a station hall but also urban squares are investigated. Parallels are then made by also reviewing digital platforms.

- **Writing:** The graduation studio is accompanied by two writing assignments. Firstly a paper on the future of mobility for the seminar City of Innovations. Here I researched the future for flying in cities as a way of passenger transport. Secondly a paper for the course New Urban Questions. This has become a research on the meaning of media architecture with increasing online behavior.

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**Literature and general practical preference**


References:

Startup City, London, 2011, - 00:/ and Space Station
Station City, Stockholm, 2011, OMA
Taipei Twin Towers, Taipei, 2018, MVRDV
Media Campus, Berlin, 2013, OMA
Renovation of Pennsylvania Station, New York, 2017, SOM
Amsterdam Centraal (IIhal), Amsterdam, 2017, Wiel Artes Architects
Rotterdam Centraal, Rotterdam, 2014, Benthem en Crouwel Architects
Leipzig Station, Leipzig, 1997, HPP
Kyoto Station, Kyoto, 1997, Hroshi Hara + Atelier Phi
## Reflection

### Relevance

With a rising urban population and a pressure of increasing inhabitants in Amsterdam, the question rises what density means in cities. Urbanization is often seen as a threat with an increasing pressure on the housing market. On the contrary, density can also be viewed from a positive note. Physical intersections in cities are composed of a broad activity palette that make use of densities. Mobility nodes for example are no longer just places for travel but have become multifunctional hubs with public life. The way we use the physical world is changing with rather unsocial 21st century lifestyles such as spending time in online environments, being always in motion or living in a filter bubble. Up to now consumption and commerce have played an important role around mobility nodes but the future may hold new meanings that are connected to densities of people and digital lifestyles.

## Time planning

**Kick Off (week 1-5)**
- **Week 1** Sept 7 Chair opening: AMS projects & AMS studio
- **Week 2** Sept 14 Investigation site current conditions
- **Week 3** Sept 21 Investigating planned developments
- **Week 4** Sept 28 Developing first ideas for 2100 scenario
- **Week 5** Oct 5 P0.5 presentation. Motivation, fascination & initial suspicion

**Research (week 5-10)**
- **Week 6** Oct 12 Searching for thesis topic
- **Week 7** Oct 19 Field trip Copenhagen
- **Week 8** Oct 26 Developing thesis topic & research question
- **Week 9** Nov 2 Developing thesis topic & research question
- **Week 10** Nov 9 P1 presentation: thesis topic and research question

**Ambition (week 11-15)**
- **Week 11** Nov 16 Searching for thesis typology
- **Week 12** Nov 23 Developing program
- **Week 13** Nov 30 Developing functional requirements
- **Week 14** Dec 7 Researching on immediate site
- **Week 15** Dec 14 P1.5 presentation: location, program and functional requirements

**Design Brief (week 16-20)**
- **Week 16** Dec 21 December 21th Setting up design brief
- **Week 17** Jan 11 Finalising design brief
- **Week 18** Jan 18 Final preparation for the P2
- **Week 19** Jan 25 P2 presentation: Presenting design brief
- **Week 20**

**Concept (week 21-25)**
- **Week 21** Reflection Msc3 and initial ideas
- **Week 22** Investigating concepts and other spatial ideas
- **Week 23** Developing concepts in relation to program and research
Week 24 Developing concepts in relation to group strategy
Week 25 P2.5 Concept design

Design (week 26-30)
Week 26 Developing program, circulation and functional aspects
Week 27 Developing plans and sections
Week 28 Developing structure and façade
Week 29 Developing site, and relation to other group projects
Week 30 P3 presentation: Preliminary design

Materialisation (week 31-35)
Week 31 Developing further structure of the project
Week 32 Developing materials and details
Week 33 Developing design and drawings
Week 34 Finalising P4
Week 35 P4 presentation: Final design presentation

Final (week 36-40)
Week 36 Planning for postproduction: models and visuals
Week 37 Developing models
Week 38 Developing visuals
Week 39 Developing presentation
Week 40 P5 presentation: final public presentation