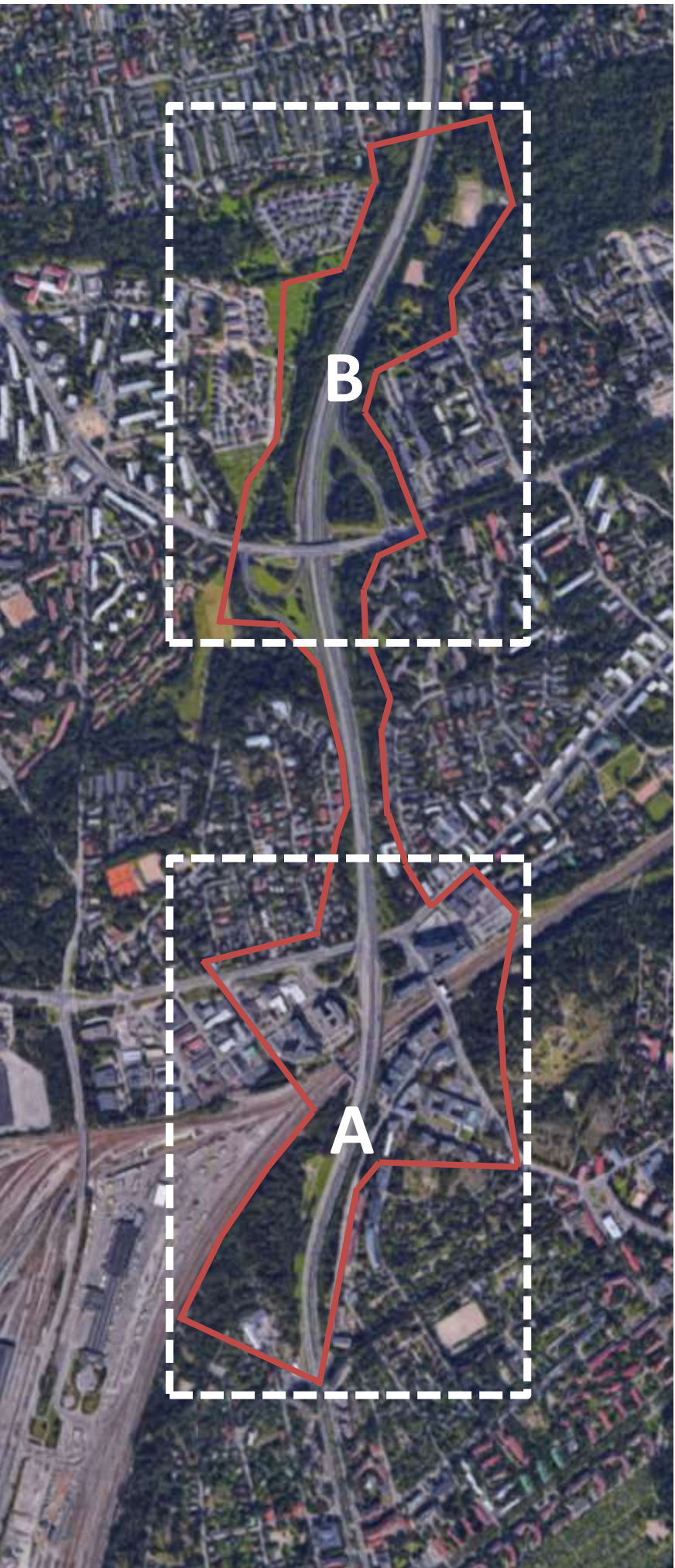


# THE TASK

BOULEVARDIZATION

TUUSULANVÄYLÄ



# TUUSULANVÄYLÄ BOULEVARDIZATION

**TAMPERE UNIVERSITY OF TECHNOLOGY / SCHOOL OF ARCHITECTURE**  
**URBAN PLANNING ADVANCED COURSE A, AUTUMN 2018 (ARK-54006, 10 ECTS)**

This year Urban Planning Advanced Course A is dealing with a highly actual topic in Finland, boulevardization. Student groups (3-4 students/group) participate in an urban planning and design project provided by City of Helsinki. The project addresses future developments in the Tuusulanväylä, one of the seven highways heading to Helsinki. Students are asked to make a plan that answers to the needs of the future land use in a situation where the highway is to be transformed into an urban boulevard and new blocks surrounding it. As a part of the course there are several lectures from different points of view. The lectures and other course meetings are normally at TUT lecture hall RJ108 on Thursdays at 10.15-14.00 (17.00). In addition, the student groups have their own meetings. Evaluation of the course is pass/fail.

The language of the course is English. The course is managed by professor Juho Rajaniemi (juho.rajanemi@tut.fi), university lecturer Minna Chudoba (minna.chudoba@tut.fi) and doctoral student Alia'a Amr (aliaa.amr@tut.fi) from the TUT School of Architecture. The contact persons at the City of Helsinki are architects Jouko Kunnas and Eeva Pirhonen.

## **TIMETABLE** (changes during the course are possible)

<b>THU 06.09.</b>	<b>KICK-OFF SEMINAR</b>
10.15	Course presentation (Rajaniemi)
10.35	Formation of working groups
10.45	Silent task
11.00	Two truths and a lie (getting to know each other)
11.30	Lunch
12.15	Task launcher
12.45	Lecture 1: "A Short History of Helsinki" (Chudoba)
14.00-17.00	Free group work
<b>THU 13.09.</b>	<b>PECHA KUCHA DAY</b>
10.15	Pecha Kucha "My Boulevard" (student presentations)
12.00	Lunch
12.45	Lecture 2: "Ring Roads, Highways and Clusters" (Amr)
14.00-17.00	Free group work
<b>THU 20.09.</b>	<b>REPORT DAY</b>
10.15	Reports by Students
12.15	Lunch
13.15-17.00	Project guidance group by group + free group work

<b>THU 27.09.</b>	<b>HELSINKI DAY 1</b> The program is to be announced later.
<b>THU 04.10.</b>	<b>GREEN DAY</b>
10.15	Lecture 3: "Green Spaces in Urban Environment" (Rajaniemi)
11.45	Lunch
12.45-17.00	Project guidance group by group + free group work
<b>THU 11.10.</b>	<b>HALF-WAY SEMINAR</b>
10.15	Project presentations
12.15	Lunch
13.15-17.00	Free group work
<b>WEEK 42</b>	<b>EXAM WEEK – NO TEACHING</b>
<b>THU 25.10</b>	<b>URBAN SCALE DAY</b>
10.15	Lecture 4: "High construction and human scale" (Chudoba)
11.45	Lunch
12.45-17.00	Project guidance group by group + free group work
<b>THU 01.11.</b>	<b>STATION DAY</b>
10.15	Lecture 5: "Railway Stations and Tramway Stops in the Urban Context" (Kunnas)
11.30	Lunch
12.45	Project guidance group by group + free group work
15.00-17.00	Free group work
<b>THU 08.11.</b>	<b>INCLUSIVE – EXCLUSIVE DAY</b>
10.15	Lecture 6: "Inclusive and exclusive city" (Rajaniemi)
11.45	Lunch
12.45-17.00	Project guidance group by group + free group work
<b>THU 15.11.</b>	<b>DAY FOR ALMOST FINAL PRESENTATIONS</b>
10.15	Project presentations
12.15	Lunch
13.15-17.00	Project guidance group by group (if needed) + free group work
<b>THU 22.11.</b>	<b>IF NEEDED -DAY</b>
10.15	Project guidance group by group (if needed) and + group work
12.15	Lunch
13.15-17.00	Free group work
<b>THU 29.11.</b>	<b>HELSINKI DAY 2</b> The program is to be announced later.

## GOALS

The aim of the project is to find solutions for a walkable, sustainable, lively and efficient mixed-use urban environment for all inhabitants by changing the highway environment into a boulevard and urban blocks. The emphasis should be on environmental quality. Public spaces should form a human-scaled network, offering interesting experiences for inhabitants of all ages. The city of Helsinki will give detailed instructions concerning boulevard's dimensions. It is highly important to plan carefully how the boulevard space meets the building blocks. The new buildings must contain housing for all ages, offices and different kinds of commercial services. Also public services can be planned, if the group finds them necessary and reasonable. Services should be mainly in the ground floor.

The efficiency ratio (= ratio between buildings' gross area (parking not included) and building lot area) should be about 3,0 next to the tramway and railway stops, about 2,0 next to the boulevard and between 1,0...2,0 in the rest of the area. The innovative solutions for parking and car using are encouraged, but not on the ground level. Parking houses and/or parking cellars are recommended. The parking norm is about 1 parking space / 140 m<sup>2</sup> housing (gross area) and about 1 parking space 100 m<sup>2</sup> / commercial services and offices. The regular building height is 5 to 8 floors, though in some central places it may be even 12 to 16 floors.

## EVALUATION CRITERIA

The following criteria are taken into consideration when the project is evaluated:

- Walkability and the quality of the pedestrian environment including openness and liveliness on the street level,
- Accessibility to public transportation and to green areas,
- Sustainability,
- Integration with the existing city structure and with the neighborhoods nearby,
- Taking into account the climate, wind, snow and urban run-off water,
- Human scale,
- Functionality, variety and quality of public and semi-public spaces,
- Possibilities for living, working and commerce in a mixed-use environment,
- Efficiency and variety of housing,
- Preventing segregation and exclusion through urban design and planning,
- Preventing noise, insecurity, vehicle exhaust gases and other hazards caused by traffic,
- Feasibility and construction by stages,
- Interesting, smart and easily readable visualizations.

However, the whole is more important than the correctness of minor details.

## REQUIRED CONTENT IN A1-SIZED VERTICAL BOARDS

(should be readable also in A3-size, font size min 14 pt)

### BOARD 1 (WHOLE PLANNING AREA)

Overall plan 1:5000

- presenting the urban structure on the red line marked area and its connections to the surroundings

- immersed in orthogonal aerial picture

A summary of ideas (less than 4000 characters)

- including calculations for building gross areas, parking places, number of new apartments, inhabitants and working places etc.

Other pictures, plans, diagrams, texts and material explaining how the plan meets the evaluation criteria.

### BOARD 2 (AREA A) and BOARD 3 (AREA B)

Partial plan 1:2500

- describing the size and location of the functions and structures, the number of floors in buildings, gross floor areas in the blocks, the nature of the urban spaces; buildings and structures should be presented lightly shaded

Area section(s) 1:2500

Detailed plan(s) 1:500

- central blocks, courtyards and public places including the boulevard
- describing materials and functions on the ground level and on the roofs; buildings and structures are presented lightly shaded

Detailed plan section(s) 1:500 (including the boulevard)

Bird-eye view immersed in the given aerial photograph

Three perspectives from user point of view (including at least one from the boulevard)

If needed, other pictures, plans, diagrams, texts and material explaining how the plan meets the evaluation criteria.

### **NOTE!!!**

All plans and sections must contain a scale line. All plans must contain a north arrow. Overall plan and partial plans must be presented north towards board top edge.

Each group submits in Moodle's folder the boards in pdf version as well as the bird-eye view and perspectives in jpg- or tif-files (each picture in separate file). Each board and document should contain the name of the group and the names of the authors.

By taking part in this course, a student accepts that the City of Helsinki and Tampere University of Technology can freely use plans, visualizations and other group work material created during this course, in different occasions and purposes, like for instance in publications, web pages, lectures, different happenings and as a base or help for further planning. When plans, visualizations and other group work material created during this course are used, the names of authors are mentioned. The copyright for plans, visualizations and other group work material created during this course remain with authors.