

FINAL EXAMINATION
DIGITAL URBAN SIMULATION
HS 2016

Date: Monday 05th of December 2016

Time: 14:15 – 18:00

Place: Building HIT, Floor H – Video Wall

Lecturers: Dr. Peter Buš
Estefania Tapias

Description: The final examination consists of two parts:

1. A **printed written documentation** in your design project where you applied the different analysis you learned throughout the course. Below you will find a guide* to structure your document but you are free to decide how to show and organized your results. Ideally the document should not be more than 4 pages.

2. A **10 minutes presentation** where you briefly describe the project, the analyses, the most relevant results and your conclusions of the given results. We will like to see how (if so) the different analyses provided you insight to support the design process of your project.

Try to answer the following questions:

- What was the motivation for your project?
- What were the main questions you want to answer with your analysis?
- Why have you chosen which analysis?
- Description of the analysis - e.g. indicate for each space syntax analysis what kind of measure you show and what parameters (e.g. radius) you have used.
- Interpretation of the analysis – why you can answer which questions.
- Conclusion – what have you learned from the analysis, how can you apply them for a design project, what can be improved at a given situation etc.
- Your personal statement concerning the pros and cons of the applied methods.

***Guide for written documentation** (not compulsory):

1. Summary:
Briefly describe the project context and goals. Use images to help you show the existing situation of the site and the important information of the context.
2. Motivation:
State the main factors that drive you to work on this project. Explain why it is relevant to the field and how can the spatial and environmental analyses provide a better understanding of the existing situation.
3. Analyses and Interpretation:

Concise description with images of the different analyses conducted in the selected site and the information given by the results. Make sure to describe the situation of the site prior and after the analysis. State the information provided by the results and how can these support (if so) the decision-making process during the design (how can you process the data given by the analysis and how can you translate these into design decisions). If relevant, conduct again the analyses after the design intervention and compare the before and after situation.

4. Conclusion:

Give the most relevant insights from the results and a critical conclusion on how useful these analyses were and (if so) how these provided you with crucial information to support your design process.

Grading:

The final examination is 50% of your final grade.