FINAL EXAMINATION
NEW METHODS IN URBAN ANALYSIS AND SIMULATION
HS 2013

Date: Monday 2nd of December 2013.

Time: 14:00 – 17:00

Place: Building HIT, F22 (Value Lab)

Lecturers: Dr. Reinhard König
Estefania Tapias

Description: The final examination consists of two deliveries. The first is a **printed written documentation** in A3 format of the projects where you show the different analysis you conducted in the selected site. We provide you with a guide to structure your document but you are free to decide how to show and organized your results, making sure you have all the information describe in the guide **(*)**. Ideally you can extend to 5 or 6 A3 pages. Please make sure not to exceed the 10 pages. Please provide all original final files on CD or via Dropbox.

The second part of the examination is a **10 minutes presentation** where you briefly describe the project, the analyses, the most relevant results and you 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 f or 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. <u>Analyses and Interpretation:</u>
   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. <u>Conclusion:</u>
   Give the most relevant insights from the results and a critical conclusion on how useful these analyses where and (if so) how these provided you with crucial information to support your design process.

Grading:

-Exercices 25% (documentations)
   o   3 Points per Exercise
   o   7 Exercises: 3 x 7 = 21 Points

-Presentation 25% (project at the end)
   o   21 Points

-Written documentation 50% (project)
   o   42 Points

→ 84 points in total. You need at least 42 points to pass the course. The individual grades will be calculated by linear interpolation of your points.