



METHODS AND TOOLS FOR IMPROVEMENT OF URBAN PLANNING: ZONING AND GIS

BASIC

Course Description

The course introduces learners to the concept of urban planning and zoning, presenting differences between possible and forced development, focusing importance of understanding spatial potentials, city growth, residence needs, and other factors that play crucial role in planning of the city. All this, of course in line with sustainability, nature friendly, heritage respectfully and human scale approaches. Course gives overview of planning on all scales, starting with city development plans, zoning of city areas, and so on till urban project for particular sites. This overview provides understanding of interconnectedness.

Along with approaches and processes of urban planning course gives basic introduction to one of the tools that is helpful in all these processes – GIS. Students will be introduced to its possibilities, use in planning and in monitoring spatial development as well as planning and monitoring of use of different infrastructure systems.

Course Content

- Concept of urban planning and zoning
- Overview of advantages of zoning approach compared to traditional ones
- Presentation of whole planning process
- GIS – possibility and uses.

Pre-requisites

- None

Target group

- Students
- Professionals
- Managers

Learning objectives

- Clear understanding of definition of urban planning and zoning methodology.
- Understanding importance of cities in the future (Agenda 2030).
- Knowledge of basic action in zoning and GIS.
- Understanding of basic concept of sustainable cities and importance of Zoning and GIS in that sense.



Teacher

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