



НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ
МОСКОВСКИЙ
ГОСУДАРСТВЕННЫЙ
СТРОИТЕЛЬНЫЙ
УНИВЕРСИТЕТ

SUMMER SEMESTER ` 23

Sustainable Urban Design Based on GIS

Date: August, 14 – August, 26 2023

Duration: 2 weeks

ECTS credits: 3

Participation fee: 41 000 RUB

Target group: Students of Bachelor's, Specialist's and Master's degrees and postgraduate programs;
Persons with higher and secondary special education

Course description

Geographic Information Systems is a powerful urban planning tool that provides functionality to capture, store, question, analyze, display, and produce geographic information. Professionals with spatial analysis techniques and GIS project management skills are on demand in order to effectively deal with multi-faceted urban planning issues.

The main aim of the program is to study the opportunities of GIS software for making decisions in sustainable urban design. It is essentially concerned with the overall development of an area with regards to design, environmental aspects of development, transportation and more.

This summer school is aimed on using project approach in the field of urban studies on the example of the MGSU campus territory. MGSU campus territory is located in Moscow. It is more than 10 hectares including education, sport, residential, and recreational functions.

Participants will use real data in order to learn how to overcome typical problems. Since the visual communication of quantitative data is a vital skill for urban planners, exercises will help further develop participants GIS skills by framing a planning project, developing a set of high-quality GIS maps to illustrate the issues and presenting a focused summary report and presentation of results.

The program consists of three modules:

1. Sustainable urban planning solutions
2. GIS technologies as tools for urban planning
3. Practice oriented sustainable design solutions using GIS technologies

Professor and lecture:

Nina V. Danilina – Head of Urban Planning Department, D.Eng.Sc.

Elena Y. Zaykova – Associated professor of Urban Planning Department, Ph.D. in Architecture

Anna E. Korobeynikova- senior lecturer of Urban Planning Department, PhD in Eng.Sc.

The price for each program includes:

- Curriculum
- Handouts
- Excursion on the campus of Moscow State University of Civil Engineering
- Excursions, included in the educational program
- Cultural program (three programs of five)

Extra costs:

- Accommodation from 700 rub per day
- Visa support - 800 rub
- Medical insurance - 800 rub

Deadline for registration: June, 18 2023

Contact Information:

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Registration

