iTMO

SUSTAINABLE CITIES DEVELOPMENT

Course description

COURSE LOAD — 3 ECTS CREDITS

The Discipline "Sustainable Urban Development" is studied in the form of practical exercises that include interactive forms of training: interactive mini-lectures, case studies, brainstorm, watching video-materials, discussion, simulations and business games. Mandatory attendance, activity, involvement in the debate, analysis of case studies, business games determines the success of a training course in the discipline. Independent work includes reading literature, analysis of the international instruments and standards, data gathering data as a special task for the field work, statistical information gathering, and field studies. Methodical materials, additional literature are placed in a folder in Google drive for this discipline. In a separate folder in Google drive students spread completed homework for verify by the teacher.

The competences gained within the studies include:

The main provisions of the concept of sustainable development, aims and objectives of applied research in this field, methods of data collection and analysis for the purposes of SD study the nature of global environmental problems, the causes and effects of global urbanization, methods of systematizing and analyzing of scientific, technical, technological, socio-economic information, principles of design of the scientific, technical and analytical reports, publications and presentations.

Compiling the program of applied research Students will be able to select the methodology and methods for data collecting and analysis of the obtained results, interpret the data and provide the significant results. To determine the causes and effects of global problems in the context of urbanization. To use the modern information and communication technologies for the analysis of documented results of applied research.