

Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA (RUDN University)

Agrarian and Technological Institute
educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

Urban Design

course title

Recommended by the Didactic Council for the Education Field of:

35.04.09 Landscape architecture
Management and design of urban green infrastructure

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

Landscape architecture

higher education programme profile/specialisation title

1. GOAL OF MASTERING THE DISCIPLINE

"Urban Design" is included in the master's program
"Management and design of urban green infrastructure" in the direction of 35.04.09

The Urban Design course is part of the Master's program Management and Design of Urban Green Infrastructure in the direction 35.04.09 Landscape Architecture and is studied in the 3rd semester of the 2nd year. The course is implemented by the Department of Landscape Design and Sustainable Ecosystems. The course consists of 3 sections and 10 topics and is aimed at studying the principles of urban morphology and design of public spaces, developing critical thinking in the field of sustainable urban planning, analyzing and improving urban mobility, accessibility and environmental friendliness.

The purpose of mastering the discipline is to form a system of knowledge, skills and practical abilities in creating architectural planning solutions within the framework of the urban structure that meet the requirements of a humane, safe and environmentally friendly environment.

2. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

Mastering the discipline "Urban Design" is aimed at developing the following competencies (parts of competencies) in students:

Table 2.1. List of competencies developed in students while mastering the discipline (results of mastering the discipline)

Code	Name competencies	Previous disciplines/modules, practices*
UC-1	Ability to carry out critical analysis problematic situations on based on a systems approach, develop a strategy actions	UC-1.1 Able to apply systematization to solve assigned tasks; UC-1.2 Capable of searching and analyzing information;
UC-3	Ability to organize and manage team work, developing teamwork strategy to achieve the set goal	UC-3.1 Able to organize teamwork on a project; UC-3.2 Capable of interacting with executive authorities to coordinate all stages of design;
UC-4	Ability to apply modern communication technologies in the state language of the Russian Federation and foreign language(s) for academic and professional interactions	UC-4.1 Able to prepare all necessary documentation for the project in Russian and a foreign language; UK-4.2 Able to communicate on the project in Russian and a foreign language;
UC-5	Ability to analyze and take diversity into account cultures in process intercultural interactions	UC-5.1 Able to develop in the peculiarities of the social organization of society, the specifics of the mentality and outlook of the cultures of the West and the East; UK-5.2 Able to overcome cultural barriers, perceiving intercultural differences;
UC-6	Ability to define and implement priorities of one's own activities and ways to improve them based on self-assessment	UC-6.1 Able to plan his/her life activities for the period of study in an educational institution organizations; UC-6.2 Able to define tasks of self-development and professional growth, distribute them into long-, medium- and short-term ones with justification of their relevance and determination of the necessary resources;

GPC-1	Ability to analyze contemporary scientific problems and	GPC-1.1 Capable of solving complex (non-standard) problems in professional activities;
Code	Name competencies	Previous disciplines/modules, practices*
	production, solve complex (non-standard) tasks in professional activities;	GPC1.2 Capable of analyzing modern problems of science and production;
GPC-2	Ability to transmit professional knowledge using modern pedagogical methods;	GPC-2.1 Capable of transmitting professional knowledge; OPC-2.2 Capable of transmitting professional knowledge using information technologies;
GPC-3	Ability to develop and implement new ones effective technologies in professional activities;	GPC-3.1 Capable of implementing new effective technologies in professional activities; OPC-3.2 Capable of developing new effective technologies in professional activities;
GPC-4	Ability to conduct scientific research, analyze results and prepare reporting documents;	GPC-4.1 Capable of conducting scientific research; OPC-4.2 Capable of preparing reporting documentation;
GPC-5	Ability to carry out technical and economic justification of projects in professional activities;	GPC-5.1 Capable of carrying out economic justification of projects; GPC-5.2 Capable of carrying out technical and economic justification of projects;
PC-10	Readiness for landscape management architecture in the field of their functional use, protection and protection	PC-10.1 Capable of managing landscape architecture objects in the field of security and protection; PC-10.2 Capable of managing landscape architecture objects;
PC-3	Ability to perform assessment the impact of events on rational use and management of landscapes, taking into account the improvement of the quality and safety of the habitat human	PC-3.1 Capable of organizing sustainable management of the improvement facility; PC-3.2 Capable of monitoring the state of the improvement object;

3. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF THE HIGHER EDUCATION INSTITUTION

The discipline "Urban Design" is a mandatory part of Block 1 "Disciplines (modules)" of the higher education educational program.

As part of the higher education program, students also master other disciplines and/or practices that contribute to the achievement of the planned results of mastering the discipline "Urban Design".

Table 3.1. List of components of the educational program of higher education that contribute to the achievement of the planned results of mastering the discipline

Code	Name competencies	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
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UC-4	Ability to apply modern communicative technologies on state language Russian Federation and foreign(s)	Data analysis and statistics; Research planning**; International Regulation in City Planning and Environment Protection; Landscape planning and sustainable development;	Landscape planning and sustainable development;
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Code	Name competencies	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
	language(s) for academic and professional interactions	Introduction to Ecological Design; Scientific Research**; Russian Language; Russian as a Foreign Language**; Foreign Language in Professional Practice**; Research and development Job; Industrial practice;	
UC-3	Ability organize and manage the work teams, developing team strategy to achieve the set goals	Data analysis and statistics; Scientific writing skills**; International Regulation in City Planning and Environment Protection; Landscape planning and sustainable development; Introduction to Ecological Design; Urban ecology; Research and development Job; Industrial practice;	Landscape planning and sustainable development; Principles of remote sensing and modeling; Advances in environmental monitoring;
UC-5	Ability analyze and take diversity into account cultures in process intercultural interactions	Research and development Job; Industrial practice; Data analysis and statistics; Scientific writing skills**; Research planning**; International Regulation in City Planning and Environment Protection; Landscape planning and sustainable development; Introduction to Ecological Design; Scientific Research**; History of Religions in Russia;	Landscape planning and sustainable development; Principles of remote sensing and modeling; Advances in environmental monitoring;

UC-1	Ability to carry out critical analysis problematic situations on based on the system approach, develop strategy of action	Research and development Job; Industrial practice; Data analysis and statistics; Scientific writing skills**; Research planning**; International Regulation in City Planning and Environment Protection; Landscape planning and sustainable development; Introduction to Ecological Design; Scientific Research**; Information Databases;	Landscape planning and sustainable development; Principles of remote sensing and modeling; Advances in environmental monitoring;
UC-6	Ability to define and implement priorities of one's own activities and ways of it improvements on based on self-esteem	Research and development Job; Industrial practice; Data analysis and statistics; Scientific writing skills**; Research planning**; International Regulation in City	Landscape planning and sustainable development; Principles of remote sensing and modeling; Advances in environmental monitoring;

Code	Name competencies	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
		Planning and Environment Protection; Landscape planning and sustainable development; Introduction to Ecological Design; Urban ecology; Scientific Research**;	
GPC-1	Ability analyze modern problems science and production, solve complex (non-standard) tasks in professional activities;	Research and development Job; Industrial practice; Data analysis and statistics; Scientific writing skills**; International Regulation in City Planning and Environment Protection; Landscape planning and sustainable development;	Landscape planning and sustainable development; Principles of remote sensing and modeling;
GPC-2	Ability to transmit lore using modern pedagogical methods;	Data analysis and statistics; International Regulation in City Planning and Environment Protection; Landscape planning and sustainable development; Introduction to Ecological Design; Research and development Job; Industrial practice;	Landscape planning and sustainable development; Principles of remote sensing and modeling;

GPC-3	Ability develop and implement new ones effective technologies in professional activities;	Research and development Job; Industrial practice; Data analysis and statistics; International Regulation in City Planning and Environment Protection; Landscape planning and sustainable development; Urban ecology;	Landscape planning and sustainable development;
GPC-4	Ability to conduct scientific research, analyze results and prepare reports documents;	Data analysis and statistics; International Regulation in City Planning and Environment Protection; Landscape planning and sustainable development; Research and development Job; Industrial practice;	Landscape planning and sustainable development;
GPC-5	Ability to carry out technical and economic justification of projects in professional activities;	Research and development Job; Industrial practice; Data analysis and statistics; International Regulation in City Planning and Environment Protection; Landscape planning and sustainable development;	Landscape planning and sustainable development;

Code	Name competencies	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
PC-10	Readiness for landscape management architecture in the field of their functional use, protection and protection	Landscape planning and sustainable development; Urban Design;	Landscape planning and sustainable development;
PC-3	Ability to perform impact assessment events on rational use and landscape management taking into account the increase quality and safety of the human environment		

* - filled in in accordance with the competency matrix and the SUP OP VO

** - elective disciplines/practices

4. SCOPE OF THE DISCIPLINE AND TYPES OF STUDY WORK

The total workload of the Urban Design discipline is 4 credits.

Table 4.1. Types of educational work by periods of mastering the educational program of higher education for full-time education.

Type of academic work	TOTAL,ac.h.		Semester(s)
			3
<i>Contact work, academic hours</i>	51		51
<i>Lectures (LK)</i>	17		17
<i>Laboratory work (LR)</i>	34		34
<i>Practical/seminar classes (SC)</i>	0		0
<i>Independent work of students, academic hours</i>	73		73
<i>Control (exam/test with assessment), academic hours</i>	20		20
General complexity of the discipline	ac.h.	144	144
	credits	4	4

5. CONTENT OF THE DISCIPLINE

Table 5.1. Contents of the discipline (module) by types of academic work

Number section	Section name disciplines	Section Contents (Topics)		View educational works*
Section 1	Introduction to Urban Design	1.1	Theoretical Foundations of Urban Design	LK
		1.2	Urban Morphology and Spatial Structures	LK
Section 2	Public Spaces and Social Dynamics	2.1	People-Centered Urban Design	LK, LR
		2.2	Social and Behavioral Aspects in Urban Design	LK, LR
		2.3	Streetscapes Design	LK, LR
Section 3	Ecological Strategies in Urban Design	3.1	Green Infrastructure and Urban Resilience	LK, LR
		3.2	Future Cities and Adaptive Urbanism	LK, LR
		3.3	Streetscapes Design	LK, LR
		3.4	Sustainable Transportation and Mobility	LK, LR
		3.5	Smart cities	LK, LR

* - filled in only by FULL-TIME form of education: LK – lectures; LR – laboratory works; SC – practical/seminar classes.

6. LOGISTIC AND TECHNICAL SUPPORT OF DISCIPLINE

Table 6.1. Material and technical support of the discipline

Audience type	Equipping the auditorium	Specialized educational/laboratory hardware, software and materials for mastering disciplines (if necessary)
Lecture	An auditorium for conducting lecture- type classes, equipped with a set of specialized furniture; a board (screen) and technical means for multimedia presentations.	screen or projector
Laboratory	An auditorium for laboratory work, individual consultations, ongoing monitoring and midterm assessment, equipped with a set of specialized furniture and equipment.	screen or projector
For independent works	A classroom for independent work of students (can be used for conducting seminars and consultations), equipped with a set of specialized furniture and computers with access to the EIS.	

* - the audience for independent work of students **must be specified!**

7. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF THE DISCIPLINE

Main literature:

1. Lynch, K. The Image of the City. MIT Press. 1960
2. Gehl, J. Life Between Buildings: Using Public Space. Island Press. 2011
3. Carmona, M., Heath, T., Oc, T., Tiesdell, S. Public Places, Urban Spaces: The Dimensions of Urban Design. Routledge. 2010
4. Alexander, C., Ishikawa, S., Silverstein, M. A Pattern Language: Towns, Buildings, Construction. Oxford University Press. 1977

Additional references:

1. Mehaffy, M. Design for a Living Planet: Settlement, Science, and the Human Future. Sustasis Press. 2020

Resources of the Internet information and telecommunications network:

1. RUDN University EBS and third-party EBS that university students have access to on the basis of concluded contracts

- RUDN University Electronic Library System – RUDN

University EBS

<http://lib.rudn.ru/MegaPro/Web-EBS> "University Library online"

<http://www.biblioclub.ru>- EBS Urite <http://www.biblio-online.ru>-EBS

"Student's consultant"www.studentlibrary.ru

" www.studentlibrary.ru-EBS "Troitsky Bridge"

2. Databases and search engines

- electronic Fund of legal and normative-technical documentation

<http://docs.cntd.ru/>

- search engine Yandex <https://www.yandex.ru/>

- search engine Google <https://www.google.ru/>

- bibliographic database SCOPUS

<http://www.elsevierscience.ru/products/scopus/>

Educational-methodical materials for independent work of students in the development of the discipline/module:*

1. Course of lectures on the discipline "Urban design".

* - all teaching materials for independent work of students are placed in accordance with the current procedure on the discipline page **in TUIS**

DEVELOPER:

Department Assistant
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Rozhnikova Ekaterina
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Position, BUP

Signature

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