Federal State Autonomous Educational Institution of Higher Education "Peoples' Friendship University of Russia named after Patrice Lumumba "

Academy of engineering

(наименование основного учебного подразделения (ОУП)-разработчика программы аспирантуры)

Department of architecture, restoration and design

(наименование базового учебного подразделения (БУП)-разработчика программы аспирантуры)

WORKING PROGRAM OF THE DISCIPLINE

Methodology of scientific research

(наименование дисциплины/модуля)

Scientific specialty:

2.1.11. Theory and history of architecture, restoration and reconstruction of historical and architectural heritage

(код и наименование научной специальности)

The mastery of the discipline is carried out within the implementation of the postgraduate program:

Theory and history of architecture, restoration and reconstruction of historical and architectural heritage

(наименование программы аспирантуры)

2024 г.

1. THE PURPOSE OF MASTERING THE DISCIPLINE

The purpose of studying the discipline "Methodology of Scientific Research" is to learn about the specific nature of the architectural science and its place in architectural activity, as well as to acquire knowledge and skills for conducting scientific research in the field of architecture.

2. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

The study of the discipline "Methodology of Scientific Research" is aimed at acquiring knowledge, skills, abilities and experience of conducting scientific research and their application in scientific activities. This includes:

Mastery of the methodology of theoretical and experimental research in the field of architecture

Mastery of the culture of scientific research in the field of architecture, including the use of the latest information and communication technologies

Ability to professionally operate modern research equipment and instruments

Ability to create a concept, develop a project (structure, methodology, and further sections) of a comprehensive scientific research, conduct the research itself, and modify the initial project if necessary

Ability to professionally present the results of their research and represent them in the form of scientific publications and presentations

Ability to develop new research methods and apply them in independent scientific research activities in the field of architecture, taking into account the rules of compliance with copyright

Readiness to organize the work of a research team in the scientific industry corresponding to the direction of training

Ability to lead the scientific research activities of students.

3. SCOPE OF DISCIPLINE AND TYPES OF ACADEMIC WORK

The total labor intensity of the discipline "Methodology of scientific research" is 1 credit unit.

Table 3.1. Types of educational work by periods of program development postgraduate studies.

Type of educational work		**In total**	**Year**			
			1	**2**	**3**	**4**
Contact work, academic hour		*18*	*18*			
в том числе:						
Lectures (**ЛК**)		12	12			
Practical/seminar classes (**СЗ**)		6	6			
Independent work of students, academic hour		*18*	*18*			
Control (credit with assessment), academic hour		-	-			
Total labor intensity of the discipline	ак.ч.	**36**	**36**			
	зач.ед.	**1**	**1**			

Type of educational work		In total	Year			
			1	2	3	4

4. CONTENT OF THE DISCIPLINE

Table 4.1. - Content of the discipline and types of classes

Title of the discipline section	Section content (topics)	The type of academic
Section 1. History and methodology of architectural studies	Topic 1. Introduction to the history and methodology of Architectural Science	ЛК
	Topic 2. Specifics and tasks of architectural science and its place in architectural activity	ЛК
	Topic 3. History of architectural science	ЛК
	Topic 4. Fundamental and applied in architectural science	ЛК
Section 2. Elements of architectural science.	Topic 5. Elements of architectural science. Subject area. The object and subject of the study.	ЛК, СЗ
	Topic 6. Features of approaches to conducting and organizing research on the theory and history of architecture, restoration and reconstruction of historical and architectural heritage.	ЛК, СЗ
	Topic 7. Experimental modeling in architectural science	СЗ

5. MATERIAL AND TECHNICAL SUPPORT FOR THE DISCIPLINE

Table 5.1. Material and technical support of the discipline

Audience type	Equipping the audience	Specialized educational/laboratory equipment, software and materials for the development of the discipline (if necessary)
Lecture hall	An audience equipped with specialized furniture, a board (screen), and multimedia presentation equipment is required for	projector, screen, computer, chalkboard

Audience type	Equipping the audience	**Specialized educational/laboratory equipment, software and materials for the development of the discipline** (if necessary)
	conducting lecture-type classes.	
Seminary	An audience for conducting seminar-style classes, group and individual consultations, ongoing monitoring, equipped with a set of specialized furniture and multimedia presentation technical equipment.	projector, screen, computer, chalkboard
For independent work of students	An audience for independent work of students (which can also be used for conducting seminars and consultations), equipped with a set of specialized furniture and computers with access to electronic instructional and educational resources.	projector, screen, computer

6. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF THE DISCIPLINE

Basic literature:

1. Волков Ю.Г. Диссертация: подготовка, защита, оформление (для аспирантов). – М.: КноРус, 2015. – 207 с.
2. Кузнецов И.Н. Основы научных исследований: учеб. пособие. – М.: Дашков и К, 2014. – 284 с.
3. Овчаров А.О., Овчарова Т.Н. Методология научного исследования: учебник. – М.: ИНФРА-М, 2014. – 304 с.
4. Основы науковедения архитектуры: учеб. пособие / Н. П. Овчинникова; СПбГАСУ. – СПб., 2011. – 288 с.
5. Новиков А.М., Новиков Д.А. Методология научного исследования. – М.:Либроком, 2009. – 280с.

Additional literature:

1. ГОСТ Р 7.1.11 – 2011. Диссертация и автореферат диссертации. Структура и правила оформления.

Resources of the Internet information and telecommunication network:

1. ЭБС РУДН и сторонние ЭБС, к которым студенты университета имеют доступ на основании заключенных договоров:

- Электронно-библиотечная система РУДН – ЭБС РУДН http://lib.rudn.ru/MegaPro/Web
- ЭБС «Университетская библиотека онлайн» http://www.biblioclub.ru

- ЭБС Юрайт http://www.biblio-online.ru
- ЭБС «Консультант студента» www.studentlibrary.ru
- ЭБС «Лань» http://e.lanbook.com/
- ЭБС «Троицкий мост»

2. Базы данных и поисковые системы:

- электронный фонд правовой и нормативно-технической документации http://docs.cntd.ru/
- поисковая система Яндекс https://www.yandex.ru/
- поисковая система Google https://www.google.ru/
- реферативная база данных SCOPUS http://www.elsevierscience.ru/products/scopus/

Educational and methodological materials for independent work of students during the development of the discipline/ module:

1. A course of lectures on the discipline "Methodology of scientific research".
2. Methodological recommendations for practical training.
3. Methodological recommendations for independent work.

7. ASSESSMENT MATERIALS AND POINT-RATING SYSTEM FOR EVALUATING THE LEVEL OF COMPETENCE DEVELOPMENT IN A COURSE

The assessment materials and score-rating system for assessing the mastery of the discipline are presented in the appendix to this syllabus.

РАЗРАБОТЧИКИ:

ПЗаведующий кафедрой архитектуры, реставрации и дизайна		Бик О.В.
Должность, БУП	Подпись	Фамилия И.О.

РУКОВОДИТЕЛЬ БУП:

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Наименование БУП	Подпись	Фамилия И.О.