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**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)

SEARCH ACTIVITY PLAN

Scientific specialty:

2.1.12. Architecture of buildings and structures. Creative concepts of architectural activity

(код и наименование научной специальности)

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

Architecture of buildings and structures. Creative concepts of architectural activity

(наименование программы аспирантуры)

2024 г.

1. PURPOSE OF SCIENTIFIC RESEARCH

The purpose of conducting scientific research (scientific and research activity) is to prepare a dissertation for the degree of Candidate of Architecture (hereafter referred to as the dissertation) for defense.

2. PLANNED RESULTS OF SCIENTIFIC RESEARCH

The solution of a scientific problem that is important for the development of architecture or the development of a new scientifically-based volumetric, spatial, technical, technological, or other solution that has a significant importance for the development of architectural science. Preparation for dissertation defense includes the execution of an individual plan of scientific activity, writing, formatting, and presenting the dissertation for final evaluation. The plan of scientific activity includes an approximate plan for conducting scientific research, a plan for the preparation of the dissertation and publications, which highlight the main scientific results of the dissertation, as well as a list of stages for mastering the scientific component of the graduate program, the distribution of these stages, and the final evaluation of graduates.

3. VOLUME OF SCIENTIFIC RESEARCH

The total workload for conducting scientific research is 150 credit units (5400 academic hours).

4. STAGES OF SCIENTIFIC RESEARCH

Table 4.1. Stages of conducting scientific research.

Stage name	Content of the stage (topics, activities)	Labor intensity, academic hour
Section 1. The scientific activity of a graduate student aimed at preparing a dissertation for defense.	Familiarization with the history and traditions of RUDN, priority areas of research in architecture. Determination of the direction and concept of research, identification of relevant issues in the field of architecture. Study of the choice of the object and subject of research, basic concepts, and main tasks of research in architecture. Study of the methodology of problem research and theory through acquaintance with the works of scientists in the field of architecture and urban planning. Study of existing ideas and models in domestic and foreign science on which the graduate student's concept is based to achieve the set goals. Assessment by the graduate student of the significance of solving the problem in the field of architecture, its attractiveness, and developing potential for the graduate student, taking into account their professional and personal experience. Substantiation of the theoretical and practical relevance of the problem being solved in architecture based on a previously conducted	1440

Stage name	Content of the stage (topics, activities)	Labor intensity, academic hour
	analysis of scientific sources.	
Section 2. Preparation of publications containing the main scientific results of the dissertation.	Determination of an approximate plan for the preparation of articles, abstracts, and reports for conferences in accordance with the research topic in the field of architecture.	
Section 3. Experimental Modeling in Architectural Studies	Identification of Modeling Methods for the Object of Study. Theoretical and Spatial Models. Identification of Methods for Presenting Graphic Materials.	
2 kypc		
Section 1. Scientific activity of a doctoral candidate aimed at preparing a dissertation for defense	Clarifying the proposed topic, goals, tasks, and research methodology in the field of architecture. Selection and justification of research methods. Refinement and supplementation of the source material basis, corroborating the theoretical foundations of the study. Development of a methodological apparatus and the structure of the dissertation. Refinement of the main used and newly proposed concepts and terms in the field of architecture. Formulating the presumed novelty of scientific results.	2016
Section 2. Preparation of publications presenting the main scientific results of the dissertation	Determination of approximate plan for preparing articles, abstracts, and conference papers in accordance with the research topics in the field of architecture.	
Section 3. Experimental modeling in architectural research	Development of various models depending on the object of the research and the tasks set in the work. Identification of ways and techniques for presenting graphic material.	
3 kypc		
Section 1: Scientific activity of a graduate student aimed at preparing a dissertation for defense	Revision of the dissertation in accordance with formatting requirements.	1944
Section 2: Preparation of publications that present the main scientific results of the dissertation	Determination of an approximate plan for preparing articles, abstracts, and conference presentations in accordance with the research topic in the field of architecture.	

Stage name	Content of the stage (topics, activities)	Labor intensity, academic hour
Section 3: Experimental modeling in architectural research	Formatting of the graphical part of the research in the form of drawings, diagrams, tables, matrices, graphs, and charts. Submission of cartographic material for the formation of the second volume to the main text of the research.	

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 conducting lecture-type classes.	projector, screen, computer
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. METHODS OF CONDUCTING SCIENTIFIC RESEARCH

Scientific research is carried out in the structural divisions of the RUDN, as well as in partner organizations of the Department of Architecture.

7. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF SCIENTIFIC RESEARCH

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. 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.

Дополнительная литература:

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

Ресурсы информационно-телекоммуникационной сети «Интернет»:

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

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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/>

Учебно-методические материалы для самостоятельной работы обучающихся при освоении дисциплины/модуля:*

1. Курс лекций по дисциплине «Методология научных исследований».
2. Методические рекомендации для практических занятий.
3. Методические рекомендации для самостоятельной работы.

8. ASSESSMENT MATERIALS AND EVALUATION SYSTEM FOR STUDENTS BASED ON THE RESULTS OF CONDUCTING SCIENTIFIC RESEARCH

Based on the stages of identifying scientific research, the graduate student presents a detailed written report to the academic supervisor and to a meeting of the Academic Council, providing information characterising the content of the graduate's work and reflecting the progress of the research. The report should include information on the degree of readiness of the dissertation, the preparation and publication of articles in journals included in the lists of VAK, RINC, Scopus, Web of Science, and other publications approved by the RUDN Academic Council. It should also cover the graduate's participation in scientific and technical events related to their research topic, as well as any participation in the research work of the department. The academic supervisor submits a review during the intermediate examination period assessing the quality, timeliness and success of the graduate's scientific research activities. Each year of research is evaluated through an intermediate assessment, with marks ranging from "excellent" and "good" to "satisfactory" and "unsatisfactory", or in the ESTS system (A, B, C, D, E). The University's ball rating system is used as the basis for assigning these marks.

РАЗРАБОТЧИКИ:

Заведующий кафедрой архитектуры,
реставрации и дизайна

Бик О.В.

доцент кафедры архитектуры,
реставрации и дизайна

Победоносцева М.Г.

Должность, БУП

Подпись

Фамилия И.О.

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Кафедра архитектуры, реставрации и
дизайна

Бик О.В.

Наименование БУП

Подпись

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