

**MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA**  
**National Research Lobachevsky State University of Nizhny Novgorod**

APPROVED  
by the UNN Academic Council  
protocol dated \_\_\_\_\_ " \_\_\_\_", 2022 №

**Educational program for  
scientific and scientific-pedagogical staff in graduate school**  
**Interdisciplinary Studies of Cognitive Processes**

Level of higher education  
**Education of highly qualified personnel**

Scientific specialty  
**5.12.1 Interdisciplinary Studies of Cognitive Processes**

Form of education  
**full-time**

Nizhny Novgorod  
2022

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## **1. General provisions**

The scientific and scientific-pedagogical personnel's educational program in the postgraduate study "Interdisciplinary Studies of Cognitive Processes" in the scientific specialty 5.12.1 Interdisciplinary Studies of Cognitive Processes (further - PP) is a set of documents developed and approved in National Research Lobachevsky State University of Nizhny Novgorod (further - UNN) based on the requirements established by UNN for the structure of educational programs for scientific and scientific-pedagogical personnel in graduate school, the conditions for their implementation, the timing of the development of these programs, taking into account educational technologies and the characteristics of certain categories of graduate students.

A set of PP's documents defines the requirements for the results of its development, contains a general description of the program, a plan of scientific activity, a curriculum, a calendar study schedule, work programs of disciplines (modules), practices, as well as methodological materials

The regulatory framework for the development of the PP is:

- Federal Law of the Russian Federation of December 29, 2012 N 273-FZ "On Education in the Russian Federation";
- Federal Law of the Russian Federation of August 23, 1996 N 127-FZ "On Science and State Science and Technology Policy";
- The procedure for awarding academic degrees (Decree of the Government of the Russian Federation of September 24, 2013 No. 842)
- Regulations on the training of scientific and scientific-pedagogical personnel in graduate school (adjuncture) (Decree of the Government of the Russian Federation of November 30, 2021 No. 2122),
- Federal state requirements for the structure of educational programs for the training of scientific and scientific-pedagogical personnel in graduate school (adjuncture) (Order of the Ministry of Education and Science of the Russian Federation of October 20, 2021 No. 951),
- Charter of the Federal State Autonomous Educational Institution of Higher Education "National Research Nizhny Novgorod State University. N.I. Lobachevsky";
- Local normative acts of UNN regulating educational and scientific activities.

## **2. Entry requirements**

Persons with higher education at the level of a magistracy or a specialist are allowed to enter postgraduate studies in a scientific specialty 5.12.1 Interdisciplinary Studies of Cognitive Processes/

## **3. General characteristics of the PP**

### **3.1. Goals and objectives of the PP**

The goal of mastering the PP «Interdisciplinary Studies of Cognitive Processes» is to prepare for the defense of a dissertation for the degree of candidate of sciences.

The main objectives of the PP are:

- Preparation of graduates for scientific and pedagogical activity in the field of psychological sciences;
- Formation of a general culture of thinking among graduate students, the ability for intellectual, cultural, moral and professional self-development and self-improvement.

### **3.2. PP completion period**

The term for obtaining education under the postgraduate program is 4 years, including vacations provided after passing the final certification, regardless of the educational technologies used.

When studying according to an individual plan for persons with disabilities and persons with disabilities, the period of study may be extended by no more than one year.

### **3.3. Labor intensity of the PP**

Labor intensity of mastering the program by a graduate student is 180 credit units (hereinafter referred to as CU) for the entire period of study.

The volume of the postgraduate program implemented in one academic year is 60 CU (excluding elective disciplines).

### **3.4. Planned results of the PP development**

The results of the development of PP are the implementation of individual plans for scientific and educational activities and a dissertation prepared for defense for the degree of candidate of sciences.

## **4. Documents confirming the content of the PP**

The program includes a set of documents that define the requirements for the results of its development.

### **4.1. Academic plan of the PP**

The academic plan of the PP contains a list of stages of mastering the scientific component, the educational component, the distribution of disciplines (modules), practice and final certification for these stages.

When compiling the curriculum, the general requirements for the structure of the program, formulated in the requirements established by UNN, were taken into account.

The academic plan of the PP includes:

1. Scientific component containing:
  - scientific activity aimed at preparing a dissertation for the scientific degree of a candidate of sciences for defense;
  - preparation of publications that present the main scientific results of the dissertation in peer-reviewed scientific publications, in equivalent scientific publications indexed in the international databases Web of Science and Scopus and international databases determined in accordance with the recommendation of the Higher Attestation Commission under the Ministry of Science and higher education of the Russian Federation, as well as in scientific publications indexed in the Russian Science Citation Index (RSCI) scientometric database, and (or) applications for patents for inventions, utility models, industrial designs, breeding achievements, certificates of state registration of programs for electronic computers, databases, topologies of integrated circuits;
  - intermediate certification by stages of scientific research.
2. Educational component:

- compulsory disciplines (modules) aimed at preparing for the candidate's examinations and preparing a dissertation;
  - elective and optional disciplines (modules).
3. Final certification

Individualization of the content of the scientific and educational components, taking into account the characteristics and educational needs of the postgraduate student, is fixed in the individual plan of scientific activity and the individual curriculum of the postgraduate student. When forming an individual curriculum, graduate students are provided with the opportunity to choose elective (mandatory) and optional (optional) disciplines. Compulsory disciplines and elective disciplines chosen by a graduate student are mandatory for mastering.

The academic plan provides a logical sequence for the development of blocks and sections of the PP (disciplines, practice, scientific component, final certification), which ensure the formation of the results of mastering the program necessary for defending a dissertation.

For each discipline, the types of educational work and forms of intermediate certification are indicated.

The curriculum is presented in *Appendix 1*.

#### **4.2. Calendar study schedule**

The calendar study schedule is an integral part of the curriculum.

The calendar training schedule indicates the sequence of implementation of the PP, including periods for the implementation of types of educational activities and vacation periods.

Calendar study schedules are presented for each form of study in *Appendix 2*.

#### **4.3. Plan of scientific activity**

The plan of scientific activity includes an exemplary individual plan for the scientific research of a graduate student, a plan for preparing publications and a dissertation, a list of stages for mastering the scientific component of a graduate program, an assessment of a dissertation prepared by a graduate student for its compliance with the criteria established in accordance with the Federal Law "On Science and State Scientific and technical policy" (final certification).

In the individual plan of scientific activity of a postgraduate student, the content of the stages and the planned results are specified taking into account the subject of the dissertation (*Appendix 3*).

#### **4.4. Work programs of disciplines**

The work programs of the disciplines of the curriculum determine the planned results of mastering for each discipline, formulate the main content of the disciplines, forms of independent work, evaluation tools and their methodological support.

The work programs of the disciplines are presented in *Appendix 4*.

#### **4.5. Final examination**

The final certification for postgraduate (adjuncture) programs is carried out in the form of dissertation assessment for its compliance with the criteria established in accordance with the Federal Law "On Science and State Scientific and Technical Policy

## **5. Resource support of the PP**

### **5.1. Information about the scientific and pedagogical workers, including the teaching staff, necessary for the implementation of the PP.**

Scientific and pedagogical workers (SRWs) are involved in the implementation of the PP, the qualifications of which fully comply with the requirements established by UNN for the structure of training programs for scientific and scientific and pedagogical personnel in graduate school, the conditions for their implementation, the terms for mastering these programs, taking into account educational technologies and the characteristics of certain categories graduate students.

### **5.2. Educational, methodological and information support**

Educational, methodological and informational support of the PP includes

- work programs of disciplines;
- textbooks and teaching aids for each academic discipline (listed in the work programs of the relevant disciplines);
- regulations;
- Internet resources and other electronic information sources (indicated in work programs);
- licensed software used in the implementation of the PP (indicated in the work programs).

Each student during the entire period of study is provided with individual unlimited access to the electronic library systems "Student Consultant", "Lan", "Urait", "Znanium.com", the electronic library of dissertations and to the electronic information and educational environment of the university.

Electronic library systems and electronic information and educational environment provide the student with access from any point where there is access to the Internet information and telecommunications network both on the territory of the university and outside it.

The electronic information and educational environment of the university provides:

- the possibility of forming individual plans for educational work and scientific research of postgraduate students;
- access to curricula, work programs of disciplines, practices, to publications of electronic library systems and electronic educational resources specified in work programs;
- fixing the course of the educational process, the results of intermediate certification and the results of mastering the main educational program;
- the formation of an electronic portfolio of the student, including the preservation of the student's work, reviews and assessments of these works by any participants in the educational process;
- interaction between participants in the educational process, including synchronous and (or) asynchronous interaction via the Internet.

The functioning of the electronic information and educational environment is ensured by appropriate means of information and communication technologies and the qualifications of

employees using and supporting it. The functioning of the electronic information and educational environment complies with the legislation of the Russian Federation.

### **5.3. Material and technical conditions for the implementation of the educational process**

The material and technical conditions for the implementation of the educational process of training postgraduate students in a scientific specialty ... correspond to the current sanitary and fire safety standards and ensure the following:

- classroom studies (lectures, practical work, consultations, etc.);
- independent educational work of students;
- scientific research.

UNN has special rooms for lecture-type classes, seminar-type classes, group and individual consultations, current control and intermediate certification, as well as rooms for independent work and rooms for storage and preventive maintenance of equipment. Special rooms are equipped with specialized furniture and teaching aids that serve to present information to a large audience.

Specific requirements for the material, technical and educational and methodological support of specific types of educational activities are determined in the relevant work programs.

Premises for independent work of students are equipped with computer equipment with the ability to connect to the Internet and provide access to the electronic information and educational environment of the organization.

Students from among persons with disabilities are provided with electronic and (or) printed educational resources in forms adapted to their health limitations.

For persons with disabilities, the choice of internship locations takes into account the state of health and accessibility requirements.

Developers:

Demareva Valeria Alekseevna, Associate Professor, Faculty of Social Sciences, UNN;

Radchenko Grigory Sergeevich, Senior Lecturer, Faculty of Social Sciences, UNN

Golubin Roman Viktorovich, Associate Professor, Dean of the Faculty of Social Sciences, UNN

Program leader: R.V. Golubin

Reviewer A. V. Orlov

**The program was approved** at the meeting of the Academic Council dated \_\_\_\_\_2022, protocol № \_\_\_\_.