

## **SCIENTIFIC RESEARCH WORK**

### **ANNOTATION**

#### **TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION**

**specialty 7-06-0612-03 system information management**

	The form of higher education	
	Full-time (full-time)	Correspondence
Course	1	2
Semester	1,2	3,4
Lectures, hours	36	8
Seminar sessions, hours	72	16
Credit, semester	1, 2	3,4
Classroom hours in the educational discipline	108	24
Independent work, hours	216	300
Total hours of the discipline / credit units	324/10	

#### **1. Summary of the content of the discipline**

The purpose of the discipline is to develop the skills of scientific search, processing and analysis of information, as well as practical skills in conducting scientific research.

#### **2 Objectives of the academic discipline**

As a result of studying the discipline, the student must:

**know:**– stages of scientific research, including hypothesis formulation, data collection, analysis and interpretation of results;

- principles of scientific ethics, including issues of plagiarism, authorship and responsibility for research results;

– various methods and approaches to conducting research (quantitative and qualitative methods, experimental and theoretical studies);

– the main elements of scientific work, including introduction, literature review, methodology, results, discussion and conclusion;

– requirements for the design of scientific articles and publications, as well as to know the main scientific journals in their field, to

**be able to:**– clearly formulate the research question and hypothesis;

– search, analyze and summarize scientific sources on the research topic;

– structure and write scientific work following established standards and requirements;

– to present the research results in oral and written form, including the creation of presentations and posters;

**have the skill:** statistical methods of data processing in planning, conducting and processing the results of experiments; use modern personal computer software to solve statistical analysis problems in their professional activities.

#### **3. Competencies to be formed**

Apply the methods of scientific knowledge in research activities, generate and implement innovative ideas. Provide communication, demonstrate leadership skills, be capable of team building and developing strategic goals and objectives. Be able to predict the conditions of professional activity and solve professional problems in conditions of uncertainty. To develop innovation sensitivity and the ability to innovate

#### **4. Requirements and forms of current and intermediate attestation**

Seminar defense, intermediate performance monitoring – current assessment, credit - intermediate assessment, oral and written.