

## **Epistemology of scientific knowledge**

The discipline is aimed at the formation of graduate students' ability to identify problems of the nature of cognition, essence, patterns, principles of the cognitive process, possibilities and limits of cognition, forms, levels, methods of cognition, the relationship of subject and object of knowledge, conditions of knowledge, the problem of truth, truth criteria.

According to the requirements of the program of the discipline, graduate students after mastering the credit module must demonstrate the following learning outcomes:

- identification of general trends in the development of epistemology of the classical and postclassical periods.
- acquaintance with ideas about the role of science in the cultural system;
- formation of ideas about the problem of truth, the essence and structure of science, levels and forms of scientific knowledge.
- acquaintance with modern methods of research work, disclosure of cognitive possibilities of each of them in modern scientific research.
- formation of ideas about global scientific revolutions, its mechanisms and stages.

According to the requirements of the educational-professional program, postgraduate students after mastering the discipline must demonstrate the following learning outcomes:

### **knowledge:**

- general trends in the development of epistemology of the classical and postclassical periods;
- the essence of science and scientific knowledge, the role of science in culture;
- specifics of modern understanding of truth;
- general scientific methods of cognition, their cognitive capabilities;
- theoretical models of scientific revolutions.

### **skills:**

- to use general scientific methods in research work, writing abstracts, articles, dissertations;
- to compare the main epistemological theories, which analyse the nature and possibilities of knowledge, its boundaries and conditions of reliability.