

Summary of the discipline  
PHILOSOPHY OF SCIENCE

The purpose of teaching the discipline «Philosophy of science» is the formation of students' general ideas about the history of the development of a particular branch of science and the philosophy of scientific knowledge in general, the methodology of scientific creativity, the basic provisions that characterize research as a qualified scientific search in a particular field of science.

The objectives of studying the discipline of the «Philosophy of science» are: to provide students with knowledge on the organization of research work, using general methods of scientific knowledge and applying formallogical and philosophical principles in the processing, comprehension and generalization of scientific research results.

According to the requirements of the educational and professional program, students must:

**to know:** the main theoretical positions, important key problems of all the topics of the course, the basic concepts and categories of the discipline, to understand the development of scientific knowledge as the result of a creative search for a scientist, and science as one of the most important institutions of human society, to navigate the most important problems of scientific knowledge.

**be able to:** synthesize the acquired knowledge from professional disciplines and humanities into a holistic view of the world, apply the knowledge gained in scientific activity, apply practical skills in analyzing various methods of scientific search.

## TOPICS

**Topic 1** Features of the philosophy of science.

Content module 1. Introduction to the philosophy of science  
Introduction to the Philosophy of Science

Content module 2. The phenomenon of science. The basic forms of the existence of science

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Content module 3. Structure and methods of scientific knowledge

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Theory and practice of science as a public institution.

Content module 1. Science as a public institution. Ethics of science

**Topic 4.** Science as a public institution. Ethics of science

Content module 2. Philosophical problems of biology and medicine

**Topic 5.** Philosophical problems of biology and medicine

Content module 3. Innovative activity and science

**Topic 6.** Innovative activity and science