

Learning outcomes of the Master's degree program 7M05210 - Ecology

<b>Learning outcomes</b>
<b>LO1</b> To analyze the main ideological and methodological problems, including those of an interdisciplinary nature, arising in science at the current stage of its development, to evaluate various facts and phenomena based on the provisions and categories of the philosophy of science.
<b>LO2</b> To use a foreign language in interpersonal communication, professional activities, and writing scientific articles.
<b>LO3</b> To apply the methodological foundations of management psychology, taking into account the principles of psychological management and the development of competencies in the field of human resource management.
<b>LO4</b> To master the basics of professional and pedagogical culture of teaching, general pedagogical skills, theoretical and methodological foundations of higher education pedagogy.
<b>LO5</b> To create waste-free production technologies by applying new development directions and achievements in science and technology in the design of production processes.
<b>LO6</b> To solve professional problems using modern information and digital technologies, artificial intelligence systems for work and communications.
<b>LO7</b> To analyze and evaluate information during environmental monitoring to form judgments and further decision-making in professional activities.
<b>LO8</b> To solve scientific and practical problems in the field of ecology and sustainable development through research, interpretation of research data and international cooperation.
<b>LO9</b> To conduct an analysis of the costs and effectiveness of the technological process of cleaning and processing liquid, solid and gaseous waste to assess and reduce environmental risks.
<b>LO10</b> To apply the basic principles of rational use of natural resources when developing proposals for improving technological processes and equipment for cleaning and processing industrial and household waste.