



PASSPORT OF THE EDUCATIONAL PROGRAM

• 6B01504 PHYSICS

THE PURPOSE OF THE EDUCATIONAL PROGRAM	Training physics teachers who are able to carry out professional activities in the following areas: education and formation of a comprehensively developed personality of the student; the formation of systematic knowledge in the field of physics; organization of the educational process in physics at the modern scientific and methodological level; scientific research.
FIELD OF PROFESSIONAL ACTIVITY	Educational: broadcasts educational information, teaches you to independently acquire knowledge; Educative: introduces students to the system of social values; Methodological: provides methodological support for the educational process; Research: studies the level of assimilation of the content of education by students, examines the educational environment; Social and communicative: interacts with the professional community and with all stakeholders of education

LEARNING OUTCOMES (LO)

LO1 - evaluates the surrounding reality on the basis of worldview positions, in the context of the foundations of philosophy and social sciences;

LO2 – communicates in three languages in an interpersonal, intercultural and professional format;

LO3 – applies various types of information and communication technologies in personal activities: Internet resources, cloud and mobile services for searching, storing, processing, protecting and disseminating information;

LO4 – capable of self-organization and self-education throughout life, focus on a healthy lifestyle to ensure full social and professional activity through methods and means of physical education;

LO5 – provides training, education and development, taking into account social, age, psychophysical and individual characteristics of students, including those with special educational needs;

LO6 – He knows the methods of psychological and pedagogical support of the educational process in accordance with regulatory legal acts in the field of education;

LO7 –Conscious of the social significance of his future profession, has the motivation to carry out professional activities, knows the basics of professional ethics and speech culture;

LO8 – demonstrates a comprehensive understanding of the fundamental laws of physics, capable of abstract thinking and scientific analysis, complemented by mathematical, computational and experimental skills;

LO9 – theoretically models and experimentally examines physical phenomena, effectively conveys scientific facts and research results through oral, visual and written formats to various audiences;

LO10–works in a team, use the strengths of scientific communication, critically evaluate the current state of knowledge and experience, is able to develop, implement and improve a plan for acquiring new knowledge and skills for specific professional goals;

LO11 – applies knowledge of the theoretical and experimental fundamentals of physics and physics teaching technologies, owns methods for the formation of subject skills and skills of schoolchildren, as well as techniques for generating interest in physics and the use of knowledge in the field of physics in everyday life.