



PASSPORT OF THE EDUCATIONAL PROGRAM

• 8D05302-Physics

Purpose of the educational program	Training PhD doctors in the field of physics, possessing in-depth, systematic theoretical knowledge and practical skills in fundamental and relevant areas of physics, capable of self-development and implementation in research, analytical and pedagogical activities and capable of self-education and advanced training throughout life.
Area of professional activity	Education and upbringing, as well as scientific activities, public administration related to education

Learning outcomes

LO 1 - uses regulatory documents, international and domestic standards in the field of physics

LO 2 - publicly presents its own and well-known scientific results and conveys the result of physical, mathematical and applied research in the form of specific recommendations, expressed in terms of the subject area of the studied phenomenon

LO 3 - use methods of mathematical and algorithmic modeling in solving theoretical and applied problems in physics and in writing scientific articles

LO 4 - demonstrate in-depth knowledge in the field of natural Sciences and mathematics, fundamental sections of physics, conduct independent research in the chosen field of experimental and theoretical physics, demonstrate skills in reviewing scientific texts, skills in writing scientific articles and theses, can present a report orally and participate in the discussion of other people's reports.

LO 5 - able to independently acquire new knowledge using modern educational and information technologies. Organizes, plans and implements the research process

LO 6 - link experimental results with theoretical models and describe the results obtained in various linguistic ways;

LO 7 - demonstrates the ability to think, design, implement and adapt an essential research process with a scientific approach; contributes by his own original research to expanding the boundaries of modern physics, which deserve publication at the national and international level.

LO 8 - methodically competently builds plans for lectures and practical classes in sections of academic disciplines and publicly sets out the theoretical and practical sections of academic disciplines in accordance with the approved teaching aids.