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AFISHE

**Development of Aquaculture and Fisheries
Education for Green Deal in Armenia and
Ukraine: from education to ecology**

LEARNING OUTCOMES

**FOR MASTER'S PROGRAM "AQUACULTURE"
OF SUMY NATIONAL AGRARIAN UNIVERSITY**

Sumy, 2023

LEARNING OUTCOMES

General outcomes	
LO 1.	Assess and ensure the quality and safety of livestock production technologies, fodder and feed products, levels of animal nutrition and products of animal origin.
LO 2.	To develop, implement and modernize effective technologies and processes in the field of production and processing of livestock products.
LO 3.	To carry out research and/or carry out innovative activities in order to obtain new knowledge and create new technologies and products in the field of animal husbandry and in wider multidisciplinary contexts.
LO 4.	Apply modern mathematical methods, information technologies and specialized software for research and development in the field of technologies for the production and processing of livestock products.
LO 5.	Search for necessary data in scientific literature, databases and other sources, analyze and evaluate these data.
LO 6.	Build and research models of technological processes of production and processing of livestock products, evaluate their adequacy, determine limits of applicability.
LO 7.	Manage complex activities in the field of production and processing of livestock products, determine goals and objectives, plan and distribute work, manage resources.
LO 8.	Communicate freely orally and in writing in Ukrainian and one of the foreign languages when discussing professional issues, research and innovations in the field of production and processing of livestock products and related problems.
LO 9.	Make effective decisions on production and processing of livestock products, including in difficult and unpredictable conditions, forecast their development, determine factors affecting the achievement of set goals, analyze and compare alternatives, assess risks and likely consequences of decisions.
LO 10.	To be responsible for the development of professional knowledge and practices, evaluation of the strategic development of the team, formation of an effective personnel policy.
LO 11.	Use knowledge and understanding of the chemical composition and classification of natural waters, the temperature regime of reservoirs, water oxidizability, pH, the content of biogenic substances, methods of influencing the chemical composition and gas regime of water in natural and artificial reservoirs, the use of natural waters and self-cleaning processes of reservoirs during the cultivation of facilities of aquatic bioresources and aquaculture.
LO 12.	Design and organize the technological processes of growing, keeping and reproduction of fish in public and private organizations and control the safety and quality of their products.
LO 13.	Know and understand modern aquatic bioresources and aquaculture (physiology and biochemistry of hydrobionts, fishing, aquaculture of natural and artificial water bodies, mariculture, acclimatization of hydrobionts) at a level in accordance with the current state of development of aquatic bioresources and aquaculture.
LO 14.	Make effective decisions, take responsibility and work in critical conditions during the performance of production, technological and scientific tasks of aquatic bioresources and aquaculture, analyze and integrate alternatives, assess risks and likely consequences.
LO 15.	To conduct professional activities guided by the principles that provide for the implementation of measures for the protection of aquatic ecosystems, the use and reproduction of aquatic biological resources.