

CATALOG OF ELECTIVE DISCIPLINES

For students in the field of study 7M084 Fisheries OP 7M08401 Intensive fish farming
 Brief description of elective disciplines of the educational program

GOP	OP	Form of study	Name of the discipline	Discipline code	Cycle of Discipline	Component of choice	Amount of credits	Level of training	Department	Well	Academic period	Prerequisites	Post-requisites	Summary of the discipline	Learning outcomes	Name of alternative discipline
M134 Fishery	7M08401 Intensive fish farming	Full-time (master's tour 2 years) semester	Basics of Fishery Forecasting	OPP 5207	DB	Component of choice	5	Master's degree in areas (Scientific and pedagogical)	Hunting and fishing	1	2	Fishing	Theory and practice of acclimatization of aquatic organisms	The discipline studies the biological resources of water bodies, the structure and functions of fisheries, the influence of abiotic factors on the distribution and behavior of commercial objects, and fisheries forecasting.	LO 2 – Know the influence of abiotic factors on the distribution and behavior of commercial objects.	English for Academic Purposes
M134 Fishery	7M08401 Intensive fish farming	Full-time (master's tour 2 years) semester	English for Academic Purposes	AYaDA C 5202	DB	Component of choice	5	Master's degree in areas (Scientific and pedagogical)		1	2	Foreign language (professional)	Research work of a master's student, including the completion of a master's thesis	Comprehensive theoretical-linguistic, practical and information-analytical training in order to perform functions related to the use of a foreign language in professional and scientific activities: mastery of public speaking skills, conducting a discussion, ability to work with information from various sources, editing texts of professionally significant content in a foreign language language.	RO 2 – Possess the skills of summarizing, analyzing and producing oral and written speech of an academic nature.	Basics of Fishery Forecasting
M134 Fishery	7M08401 Intensive fish farming	Full-time (master's tour 2 years) semester	Toxicology of fresh water bodies of Kazakhstan	TPVK 5206	DB	Component of choice	5	Master's degree in areas (Scientific and pedagogical)	Hunting and fishing	1	1	Toxicology of water bodies	Research work of a master's student, including the completion of a master's thesis	The discipline studies the characteristics of various fresh waters, biochemical indexing of toxic effects on fish, toxic substances in wastewater and their effect on the body.	RO 3 – Know the characteristics of various fresh waters, biochemical indexing of toxic effects on fish	Hydrobiology and ecology of fresh water bodies Kazakhstan

M134 Fishery	7M08401 Intensive fish farming	Full-time (master's tour 2 years) semester	Hydrobiology and ecology of fresh water bodies Kazakhstan	GEPVR 5204	DB	Component of choice	5	Master's degree in areas (Scientific and pedagogical)	Hunting and fishing	1	1	Hydrobiology	Biological productivity of water bodies and sustainable use of the gene pool of aquatic biological resources	The discipline studies life in water bodies, explores the patterns of existence of populations of aquatic organisms and biotic communities (biocenoses) in their inextricable connection with the habitat, which serves as a theoretical basis for the conservation and reproduction of biological resources of the hydrosphere	LO 3 – Have knowledge about the types of aquatic ecosystems, conservation and rational use of water resources. RO 5 – Be able to conduct an expert assessment of aquatic biological resources, use the provisions of the legislative framework in work on the protection and rational use of aquatic biological resources	Toxicology of fresh water bodies of Kazakhstan
M134 Fishery	7M08401 Intensive fish farming	Full-time (master's tour 2 years) semester	Organization of scientific research in fisheries	ONIRH 5203	DB	Component of choice	5	Master's degree in areas (Scientific and pedagogical)	Hunting and fishing	1	2	Fundamentals of scientific research in fisheries	Research work of a master's student, including the completion of a master's thesis	The discipline studies research planning, organization of field observations and expeditionary trips for complex research, LO 4 – Be able to summarize and analyze the results of scientific research	RO 3 – Know research methods in fisheries, organization of field observations and expeditionary trips for complex research. LO 4 – Be able to summarize and analyze the results of scientific research	Sustainable management of aquatic biological resources
M134 Fishery	7M08401 Intensive fish farming	Full-time (master's tour 2 years) semester	Sustainable management of aquatic biological resources	UUVB 5205	DB	Component of choice	5	Master's degree in areas (Scientific and pedagogical)	Hunting and fishing	1	2	Hydrobiology and ecology of fresh water bodies Kazakhstan	Theory and practice of acclimatization of aquatic organisms	The discipline studies mechanisms for effective management of aquatic biological resources and their conservation in fisheries and aquaculture to ensure sustainable development and food security.	LO 3 – Have knowledge about the types of aquatic ecosystems, conservation and rational use of water resources. RO 5 – Know the concepts of the biological foundations of the rational use and protection of aquatic biological resources, the basic concepts of the distribution of aquatic biological resources in the Republic of Kazakhstan, the main legislative acts in the field of protection of aquatic biological resources.	Organization of scientific research in fisheries

The catalog of elective disciplines was approved by the protocol of the council of the faculty of LHDPS "26" december 2023 Protocol 5

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