



CATALOG OF ELECTIVE DISCIPLINES

For students in the direction of preparation 7M091 Veterinary

Brief description of the elective disciplines of the educational program

ERG	EP	Form of education	The name of discipline	Code of subject	Discipline cycle	Component	Number of credits	Level of training	Cafedra	Course	Academic period	Pre-requisites	Post-requisites	Brief content of the discipline	Key learning outcomes	Name of the alternative discipline
M138 - «Veterinary science»	7M09102	Full-time (MS 2 years)	Animal welfare and ergonomics	VE 5303	AS	Elective subjects	5.0	Master's program by specialization (Scientific & pedagogical direction)	Veterinary sanitation	1	1	breeding with the basics of private animal husbandry, feeding of farm animals, economics, organization and management of agricultural production, obstetrics, biotechnics of animal reproduction, internal non-infectious animal diseases, epizootology.	Research practice	It forms the foundations of humane treatment of animals for students based on methods of studying and evaluating their well-being. He introduces scientific concepts on the application of knowledge in the field of ergonomic skills and rules of animal husbandry, solving problems on the device, principles of operation and regulation of effective operation of equipment to preserve animal health and obtain high-quality products	The undergraduate should be able to use scientific concepts on the application of knowledge in the field of ergonomic skills and rules of animal husbandry, solving problems on the device, principles of operation and regulation of effective operation of equipment to preserve animal health and obtain high-quality products	Fundamentals of Herd health Management
M138 - «Veterinary science»	7M09102	Full-time (MS 2 years)	Fundamentals of Herd Health Management	MNSR EOZh P5310	AS	Elective subjects	5.0	Master's program by specialization (Scientific & pedagogical direction)	Veterinary sanitation	1	1	breeding with the basics of private animal husbandry, feeding of farm animals, economics, organization and management of agricultural production, obstetrics, biotechnics of animal reproduction, internal non-infectious animal diseases, epizootology.	Research practice	Forms knowledge in the field of herd health management, ensuring the preservation of biosafety and hygiene of productive animals. Defines the skills and abilities of the organization and conduct veterinary and sanitary measures in livestock farms	The master's student will acquire practical skills in the field of herd health management, ensuring the preservation of biosafety and hygiene of productive animals, have the skills and abilities to organize feeding, maintenance and conduct veterinary and sanitary measures in livestock farms	Animal welfare and ergonomics
M138 - «Veterinary science»	7M09102	Full-time (MS 2 years)	Veterinary and sanitary measures for infectious diseases	PZIS 5205	BS	Elective subjects	5.0	Master's program by specialization (Scientific & pedagogical direction)	Veterinary sanitation	1	1	Theory and methods of experiment, scientific ethics, and other general education, natural science disciplines.	Master student's research work, including implementation of master's thesis	Studies the epidemiological situation of zoonanthropoic diseases in the world and the Republic of Kazakhstan, including the organization of preventive measures and protection of the population in the event of zoonanthropoicosis. Forms a high level of theoretical and practical skills of working with the population in the event of zoonanthropoicosis, taking into account social and professional responsibility.	A master's student should be able to study the epidemiological situation of zoonanthropoic diseases in the world and the Republic of Kazakhstan, organize preventive measures for zoonanthropoicosis, possess theoretical and practical skills of working with the population in the event of zoonanthropoicosis	Epizootological monitoring and forecasting of infectious animal diseases

M138 - «Veterinary sciences»	7M09102 «Safety and quality of food products»	Full-time (MS 2 years)	Epizootiologiya and forecasting of infectious animal diseases	ZISNI 6309	BS	Elective subjects	5,0	Master's program by specialization (Scientific & pedagogical direction)	Veterinary sanitation	1	1	Theory and methods of experiment, scientific ethics, and other general education, natural science disciplines.	Master student's research work, including implementation of master's thesis	Изучает методы проведения эпизоотологического мониторинга и прогнозирования возникновения и распространения инфекционных болезней животных. Формирует навыки диагностики и оценки риска возникновения и распро-страниения инфекционных болезней животных, с использованием информационно-коммуникационных технологий.	The undergraduate student must be familiar with the methods of epizootiological monitoring and forecasting the occurrence of infectious animal diseases. To analyze and assess the risk of the occurrence and spread of infectious animal diseases using information and communication technology.	Veterinary and sanitary measures for infectious diseases
M138 - «Veterinary sciences»	7M09102 «Safety and quality of food products»	Full-time (MS 2 years)	Modern problems of veterinary medicine	VSEO P 5306	AS	Elective subjects	5,0	Master's program by specialization (Scientific & pedagogical direction)	Veterinary sanitation	1	1	It is based on knowledge of management in veterinary medicine, clinical parasitology, virology, microbiology, toxicology, information technology and statistics, veterinary and sanitary expertise, pathological anatomy and physiology	Master student's research work, including implementation of master's thesis. Modern problems of veterinary	The state of veterinary medicine in the Republic of Kazakhstan and abroad, aspects of state veterinary control over product safety, features of product production and livestock management in modern conditions of export relations, modern methods of diagnosis, prevention and treatment of infectious and non-infectious diseases of animals, birds, fish and wild animals.	The undergraduate student should know modern aspects of state veterinary control over product safety, peculiarities of food production and livestock management in modern conditions of export relations, modern methods of diagnosis, prevention and treatment of infectious and non-infectious diseases of animals, birds, fish and wild animals.	Biostatistics
M138 - «Veterinary sciences»	7M09102 «Safety and quality of food products»	Full-time (MS 2 years)	Биостатистика	VSEH P 5313	AS	Elective subjects	5,0	Master's program by specialization (Scientific & pedagogical direction)	Veterinary sanitation	1	1	It is based on knowledge of computer technology, information technology, statistics, histology, microbiology, veterinary and sanitary expertise, pathological anatomy and physiology, clinical parasitology, toxicology.	Master student's research work, including implementation of master's thesis. Modern problems of biological waste disposal	Forms student's skills of correct presentation of data and analysis of the results of their own research using methods of descriptive and analytical statistics, as well as the use of statistical terminology, critical evaluation of publications of the results of veterinary and biological research, identification of errors in the application of statistical tests, independent work with computer statistical programs to solve problems of planning, conducting and processing the results of their own veterinary and biological research	A master's student should be able to apply methods of descriptive and analytical statistics, critical evaluation of publications Conduct statistical analysis of the results of veterinary and biological research, apply statistical tests to identify errors, work with computer statistical programs to solve the problems of planning, conducting and processing the results of their own research.	Modern problems of veterinary medicine

The catalog of elective disciplines was approved by the Academic Council of the Faculty of VITZH on 04.05.2023, Protocol No 9

Head of the Department of Veterinary Sanitation

Adilbekov Zh. Sh.