Academic discipline	Normalized feeding systems of animals
Tutor	Kuzmenko Oksana Anatoliivna PhD agricultural sciences, associate professor, department of technology of feed, feed additives and feeding of animals
Courses and semesters,	
when the discipline is	1 course (master degree), 2 semester
planning to study	
Faculties whose students are invited to study discipline	Biological-technological faculty
List of competencies and learning-related outcomes that discipline provides	According to the requirements of the educational- professional program "Technology of production and processing of livestock products" applicants should acquire the ability to obtain the following competencies: GC 1 (general competence). Ability to abstract thinking, analysis and synthesis. GC 2. Skills in using information and communication technologies. PC 1 (professional competence). Ability to analyze and control the safety and quality of feed and feed products and animal nutrition. PC 10. The ability to clearly and unambiguously convey one's own knowledge, conclusions and arguments to specialists and non-specialists, in particular to people who are studying. The result of studying the discipline is the acquisition by students of the following knowledge and skills: - to evaluate and ensure the quality and safety of technologies for the production of livestock products, fodder and feed products, animal nutrition levels and products of animal origin (to know the physiological features of animals of modern breeds, types and crosses; to know the features of digestion and metabolism of energy, nutrients, minerals and biologically active substances in animals); - to apply modern mathematical methods, information technologies and specialized software for research and development in the field of technologies for the products of a livestock products (to know the technique of developing and improving systems of

Annotation of elective educational component «Normalized feeding systems of animals»

	complete feeding of animals to ensure high genetic
	potential; to be able to determine the need of animals for
	substances: to be able to develop recipes of compound
	feed premixes feed mixtures for the organization of
	complete feeding of animals).
	- to search for the necessary data in scientific literature.
	databases and other sources, analyze and evaluate these
	data (to know the peculiarities of animal feeding depending
	on the technological features of the production of various
	types of animal husbandry products; be able to design
	rations and feeding systems for cattle, sheep, pigs, horses);
	- 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 (to know the peculiarities of conducting experiments on the feeding of farm animals; to be able to
	organize experiments on animal feeding: to be able to
	apply modern Ukrainian and foreign animal feeding
	systems and poultry for different production technologies
	of animal husbandry products).
	Description of the discipline
Prerequisites needed	The selective educational discipline "Normalized feeding
for studying the	systems of animals" is based on the knowledge of such
discipline	disciplines as "Physiology of farm animals", "Animal
	feeding", "Production, storage and quality control of fodder
	and feed additives", "Biochemistry in animal husbandry",
	studied at the first level of higher education, and "Biology
	of farm annuals, feedbology of fouder and nutrition of animals" studied in the first semester of master's studies in
	the specialty 204 Technology of production and processing
	of animal husbandry products.
Students' limit in a	20 students
group	
Topics of in-class	Lectures
activity	1 Introduction chart notioned onimal feeding
	1. Introduction about rationed animal feeding.
	 2. Rational feeding of high-performing animals.
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	 Introduction about rationed animal feeding. Rational feeding of high-performing animals. Standardized feeding of cattle and methods of its improvement. Evaluation of energy nutrition of feeds and rations in exchangeable energy.
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	6 Rationing of carbohydrates and fats in feeding cattle
	7. The role of mineral nutrition for animals
	8. Vitamins and their significance for the animal body
	0. Modern fodder in animal feeding Preservation of feed
	yith biologically active additives
	10 Combined fodder in onimal fooding. Additives of
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	Various origins in annual recuring. Fremixes in annual recu.
	11. Standardized feeding of cattle. Organization of modern
	standardized leeding of dairy cows.
	12. Modern systems of standardized pig feeding.
	Organization of feeding of sows and young pigs for
	growing for meat according to modern norms.
	13. Modern systems of rationed sheep feeding.
	14. Modern systems of standardized horse feeding.
	15. Modern poultry feeding systems. Organization of
	standardized feeding of chickens, ducks, geese, turkeys,
	etc. according to modern standards.
	16. Modern systems of feeding rabbits and fur animals.
	Practical classes
	1. Modern systems of standardized animal feeding.
	2. Rational feeding of highly productive animals according
	to modern standards.
	3. The concept of rationing of cow feeding in advanced
	countries of the world.
	4. The latest system for assessing the nutritional value of
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