Summary of compulsory discipline			
Name of the discipline	Feeding farm animals		
Teacher	Vitaliy Bomko doctor of agricultural sciences, professor, head of the department of feed technology, feed additives and animal feeding		
Course and semester in which it is planned studying of discipline	2 course, bachelors, the 3rd semester 3 course, bachelors, the 4th semester		
Faculties which students are offered to study discipline	Faculty of Biotechnological		
The list of competences and corresponding results of training that is provided by discipline	 According to the requirements of the educational and professional program "Technology of production and processing of animal husbandry products", applicants must acquire the ability to acquire the following competencies: ZK 3. Ability to apply knowledge in practical situations. ZK 4. Knowledge and understanding of the subject area and understanding of professional activity. ZK 5. Ability to adapt and act in a new situation. ZK 6. Ability to evaluate and ensure the quality of performed works. ZK 8. Efforts to preserve the environment. ZK 9. Ability to use knowledge of the basic technologies of procurement, production and storage of fodder to form the fodder base of the enterprise. FC 3. The ability to use knowledge of the basic technologies of procurement, production and storage of fodder to form the fodder base of the enterprise. FC 4. Ability to prepare rations for different species and sexage groups of animals and organize their standardized feeding, taking into account available financial and resource limitations. The result of studying the discipline is the acquisition by students of higher education of the following knowledge and skills: Know the technologies of procurement, production and storage of hay and artificially dried fodder. To know the technologies of procurement, production and storage of silage and haylage. To know the technologies of procurement, production and storage of grain fodder and products of their processing. Determine the standards and prepare complete ration mixtures for young and adult cattle. Determine norms and prepare complete ration mixtures for pigs of different sex and age groups. 		

Summary of compulsory discipline

 Determine the standards and prepare complete ration mixtures for horses. Determine the standards and make complete ration for poultry. Determine the standards and make complete ration 			
• Determine the standards and make complete ration for poultry.	•		
for poultry.	n miyturee		
	II IIIIXtuics		
	n mixes for		
fur animals.			
• Be able to develop recipes of compound feed, pres	mixes,		
BVD and BVMD for different types of animals and			
Discipline description			
Preliminary conditions necessary for studying of disciplineCompulsory educational discipline "Feeding rural- animals" is based on the knowledge of such discipli "Chemistry", "Morphology of rural-urban animals", "Physiology of rural and urban animals", "Biochem animal husbandry", "Production, storage and quality fodder and feed additives".	nes as , istry in		
The maximum number of students who can study at the same time25 students			
Subjects of classroom Topics of lectures	unting a		
occupations1. Assessment of the nutritional value of feeds and not in the set of the	rations		
3. Metabolism of substances and energy in the body	/ of		
animals	01		
4. Assessment of energy (total) nutrition of feed.			
5. Protein nutrition of fodder			
6. Mineral nutrition of fodder			
7. Vitamin nutrition of fodder			
8. Comprehensive assessment of feed nutrition			
9. Fodder products			
10. Technology of preparation and use of hay, grass	s flour, and		
cuttings			
11. Preparation and use of silage and haylage 12. Grain fodder			
13. Remains of processing of agricultural raw mater	rials of		
plant origin			
14. Fodder of animal origin			
15. Combined feeds, protein-vitamin-mineral supple	ements,		
premixes			
16. Feed additives			
17. Basics of rationed feeding. The need of animals			
supporting, productive and reproductive feed. The s	•		
rationed feeding and its main elements Feed rations			
structure for different species and age groups. Zoote requirements and preparation of raw data for drawing			
rations using a PC.	is up		
18. Feeding dry cows, heifers and breeding bulls			
19. Feeding dairy cows			
20. Feeding young cattle up to 6 months of age and	repair		
young	-		

21. Feeding of young cattle when grown for meat and
fattening of adult cattle
22. Biological and economic features of pigs. Feeding of
boars, single, farrowing sows Feeding of suckling sows
23. Feeding suckling piglets. Feeding piglets after weaning
and repair young
24. Pig fattening and control of the completeness of pig
feeding
25. Feeding sheep of different breeds, sexes and age groups.
Basic feeds. Feeding of ram breeders Feeding of ewes in
preparation for insemination, during the period of calving and
lactation Feeding of lambs during the suckling period and
after weaning. Feeding of repair youngsters. Feeding of sheep,
fattening of sheep. Peculiarities of sheep feeding in pasture
and stable keeping. Methods of monitoring the completeness
of feeding sheep and goats
26. Horse feeding. Peculiarities of metabolism in horses
during work. Nutrient requirements of working horses,
feeding of working horses. Peculiarities of feeding stallions,
pregnant and suckling mares. Feeding foals and growing
young
27. Feeding of farm poultry. Peculiarities of feeding adult
chickens and chicks.
28. Peculiarities of feeding turkeys and turkey chicks. Norms,
feeds, rations. Feeding technique. Methods of controlling the
quality of poultry feeding
29. Feeding of adult waterfowl. Norms, feeds, rations. Feeding
technique. Feeding ducklings and goslings. Methods of
monitoring the quality and efficiency of feeding young birds.
30. Feeding rabbits. Feeding nutria, fur animals
Topics of practical classes
1. Determination of primary, hygroscopic moisture, raw ash in
feed.
2. Determination of crude protein in feed
3. Definition of crude fat
4. Determination of crude fiber
5. Determination of ash, calcium, phosphorus and calculation
of the content of nitrogen-free extractive substances.
6. Assessment of the nutritional value of feed by chemical
composition.
7. Evaluation of feed nutrition by the amount of digestible
nutrients (direct method).
8. Assessment of feed nutrition by the amount of digestible
nutrients (incidental method and method of inert substances).
9. Balance of nitrogen and carbon. The balance method of determining material changes in the animal's body.
determining material changes in the animal's body
10. Determination of the total nutritional value of feed in oat
fodder
11. Determination of the total nutrition of feed in energy feed
units (EKO)
12. Evaluation of carbohydrate and fat nutrition of fodder.

13. Protein, vitamin, mineral nutrition of fodder. The concept
of a comprehensive assessment of feed nutrition.
14. Calculations on mineral and feed additives.
15. Classification and economic assessment of feed quality.
16. Nutritive value of green fodder. Zootechnical and
economic assessment of green fodder.
17. Nutritive value of hay, straw. Artificially dried grass
fodder.
18. Nutritive value of silage and haylage.
19. Nutritional value of root vegetables.
20. Nutritional value of grain fodder.
21. Nutritional value of mealy fodder.
22. Nutritive value of cake and meal.
23. Nutritional value of fodder of animal origin.
24. Compound feed.
25. Feeding dry cows
26. Feeding dairy cows
27. Zootechnical assessment of rations of dairy cows.
28. Recipes of mixed feeds, premixes and BVD for dairy
cows.
29. Feeding breeding bulls.
30. Feeding calves up to 6 months of age
31. Feeding repair heifers
32. Feeding of young cattle when grown for meat and feeding
of adult cattle
33. Technique of feeding breeding boars. Methods of
controlling its completeness.
34. Feeding single, farrowing sows. Norms of rations,
structure of rations, type and technique of feeding, methods of
monitoring its completeness.
35. Feeding suckling sows, piglets. Norms, rations, their
structure, type and technique of feeding, methods of
monitoring their completeness
36. Pig fattening. Norms, rations and fodder, structure of
rations, type and technique of feeding, methods of monitoring
its completeness.
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37. Sheep feeding. Feeding of ewes in preparation for
insemination, during the period of kittenhood and lactation.
Feeding norms.
38. Feeding of repair young sheep. Feeding of sheep, fattening
of sheep.
39. Feeding work horses. Feeding norms, fodder, feeding
technique.
40. Feeding of laying hens of commercial and breeding flocks.
41. Feeding of young birds.
42. Feeding chickens, broiler chickens, ducklings, goslings.
Methods of monitoring the quality and efficiency of feeding
young birds.
43. Feeding rabbits, nutria (males, females, young). Norms,
fodder, feeding technique.
44. Feeding fur animals. Norms, fodder, feeding technique
45. Feeding of stock fish, standards, feed, feeding technique.

Teaching language	Ukrainian