

Lecturer of the course

Course page in eLearn

lecturer (e-mail)

Contact information of the

SYLLABUS OF THE DISCIPLINE "Fundamentals of animal husbandry"

Degree of higher education - <u>Bachelor</u> Speciality 181 ¬ "<u>Food Technologies</u>" Educational program "<u>Food Technologies</u>" Study year <u>2</u>, semester <u>3</u> The form of study is <u>full-time</u>. Number of ECTS credits: <u>4</u> The language of instruction is <u>Ukrainian</u>

<u>Holubieva Tetiana</u>

<u>k.s.-h.n., docent, golubeva.nubip@gmail.com</u> <u>https://elearn.nubip.edu.ua/course/view.php?id=1019</u> DESCRIPTION OF THE DISCIPLINE (up to 1000 printed characters)

The discipline aims to familiarise with the latest technologies for producing animal husbandry products. Teach students to evaluate the productive qualities of farm animals, determine their need for fodder, control the completeness of animal feeding, and operate on herd reproduction indicators.

The task of the discipline is to provide future specialists with knowledge of the biological foundations of breeding farm animals, the biology of feeding domestic animals of various species and the organisation of scientifically based feeding, feed harvesting technology, methods of evaluating the nutrition and quality of feed, monitoring the completeness of animal feeding, the main parameters and principles of production technology the main types of animal husbandry products in farms with different forms of ownership, which affect exceptional animal husbandry and its intensification.

Competencies of OP:

Integral competencies (IC): The ability to solve specialised problems of different levels of complexity in the learning process using basic theoretical knowledge, a developed system of logical thinking, a complex of theories and methods of fundamental and applied sciences, and to solve practical problems of a technical and technological nature in production conditions of food industry enterprises and restaurant industry.

General competencies (CG):

ZK 2. The ability to learn and master modern knowledge.

ZK 4. Skills in using information and communication technologies.

ZK 5. Ability to search and analyse information from various sources.

ZK 6. The ability to evaluate and ensure the quality of performed works.

ZK 10. Efforts to preserve the environment.

ZK 13. The ability to realise one's rights and responsibilities as a member of society, to be aware of the values of civil society and the need for its sustainable development, the rule of law, and the rights and freedoms of a person and a citizen in Ukraine.

Professional (unique) competences (FC):

SC 1. The ability to introduce food technology into production based on understanding the essence of transformations of the main components of food raw materials during the technological process.

Program learning outcomes (PRP) OP:

PRN2. To show creative initiative and raise one's professional level through continuing education and self-education.

PRN3. I need to be able to apply information and communication technologies for information support of professional activities and conducting applied research.

PRN13. Choose modern equipment for the technical equipment of new or reconstructed enterprises (workshops), know the principles of its operation and rules of operation, and draw up equipment and technological schemes for producing food products of the designed assortment. **STRUCTURE OF THE DISCIPLINE**

	Hours			
	(lectures/	Loomina		
Topic	laboratory,	Learning	Task	Assessment
	practical,	outcomes		
	seminar)			
		One semester		
	Module 1. Biological	features of farm anima	als and feed technologies	ogy
Topic 1.		The student should	Submission of	8
Reproduction	2/4	know the	laboratory work.	
and breeding		importance of	(including in	
of animals.		breeding work in	learn).	
		increasing the		
		productivity of		
		farm animals—the		
		concept of breed		
		and their		
		classification.		
		<u>Understand</u> the		
		concepts of		
		manual, natural,		
		and artificial		
		mating of farm		
		animals and their		
		disadvantages and		
		advantages.		
Topic 2.	2/4	The student should	Submission of	8
Biological		<u>know</u> the origin	laboratory work.	
features of		and domestication	(including in	
animals.		of animals.	clean).	
		<u>Understand</u> the	Performing	
		biological features	independent	
		of different types of	work.	
		farm animals;		
		distinguish		
		between the		
		concepts of		
		constitution and		
		exterior and their		
		influence on the		
		productivity of		
		farm animals.		
		Be able to calculate		
		indices of body		
		structure of animals		
		and calculations of		
Toris 2	2/4	The student 1 11	Cubaciania C	10
1 opic 5.	2/4	I ne student should	Submission of	10
Dasics OI		raininarize nimself	inducting work.	
fooding of		with the main	(including in	
recuilly OI		fooding much and	learn).	
agricultural	1	recome rural and		1

animals		urban areas		
Eodder and its		Animals and the		
		Animais and the		
classification		main methods of		
		assessing the		
		energy nutritional		
		value of feed. Be		
		able to evaluate		
		cows by milk		
		productivity and		
		animals by meat		
		annihais by meat		
T. : 4	1/2	productivity.	0.1	10
Topic 4.	1/2	The student must:	Submission of	10
Standardised		<u>Know</u> the general	laboratory work.	
feeding of		principles of	(including in	
animals		rations.	clean).	
		Distinguish	Performing	
		between the	independent	
		concept of ration	work	
		structure of ration	W OIK	
		rote of feeding and		
		fate of feeding, and		
		type of feeding.		
		<u>Be able to</u> classify		
		feeds according to		
		the primary		
		unc primary		
		nutrients.		
т. : <i>г</i>	Module 2. Production	on technology of anima	I husbandry produc	
Topic 5.	2/6	The student must:	Submission of	8
Production		Know cattle's	laboratory work.	
technology of		importance and	(including in	
animal		biological	clean).	
husbandry		features—milk and	Performing	
products		beef production	independent	
		technology.	work.	
		Differentiate cattle		
		breeds according to		
		the direction of		
		productivity		
		productivity—		
		maintenance and		
		reeding of		
		livestock.		
		Be able to		
		determine feeding		
		rates and prepare		
		rations for cattle.		
Topic 6.	2/6	The student must:	Submission of	8
Production	_, ~	Know the meaning	laboratory work	Ĩ
technology of		and biological	(including in	
sheep and goet		features of shoop	(lean)	
brooding		and contained	Derformine	
breeding		and goals; milk,	renorming	
products		meat, down and	independent	
		wool productivity	work.	
		of cattle,		
1		maintenance and		

		feeding.		
		Determine the		
		suitability of		
		animals for		
		machine milking		
		and determine the		
		and determine the		
		volume of fivestock		
	A / A	production.	~ · · ·	
Topic 7.	2/2	The student must:	Submission of	10
Production		T <u>o know</u> the	laboratory work.	
technology of		meaning and	(including in	
pig farming		biological features	clean).	
products		of pigs.	Performing	
-		Classification of	independent	
		breeds by direction	work.	
		of productivity.		
		Food and		
		biological value of		
		nig farming		
		products		
		products.		
		facting and		
		feeding, and		
		reproduction of		
		pigs.		
		<u>Be able to</u>		
		determine		
		standards and		
		prepare rations for		
		pigs.		
Topic 8.	2/2	The student should	Submission of	8
Poultry		know the meaning	laboratory work.	
production		and biological	(including in	
technology		features of poultry.	clean).	
		Production	Performing	
		technology of	independent	
		poultry meat and	work	
		eggs Feeding and		
		its maintenance		
		Determine		
		etandarde and make		
		racinas and make		
		accupes 101		
		compound reed for		
		poultry. Assess the		
Terrat P		quanty of eggs.		=0
Just for one ser	nester			70
Exam Total for the				<u><u></u> <u></u> <u></u> <u></u> <u></u></u>
1 otal for the co	ourse			100

ASSESSMENT POLICY

Deadlines and	Works submitted late without good reason will be assigned a lower		
Rescheduling Policy:	grade. Modules can be rearranged with the lecturer's permission if		
	there are good reasons (for example, sick leave).		
Academic Integrity	Copying during tests and exams is prohibited (including using		

Policy:	mobile devices). Abstracts and presentation materials must have	
	correct text references to the used literature.	
Attendance Policy:	Attending classes is mandatory. For objective reasons (for example,	
	illness, international internship), training can take place individually	
	(in online form with the agreement of the dean of the faculty).	

STUDENT ASSESSMENT SCALE

Rating of a higher	The assessment is national for the results of passing exams			
education applicant	exams	credits		
points				
90-100	perfectly	counted		
74-89	fine			
60-73	satisfactorily			
0-59	unsatisfactorily	not counted		

Recommended sources of information The main one

1. Handbook on complete feeding of farm animals; According to scientific ed. I.I. Ibatullina, O.M. Zhukorsky Kyiv: Agrarian science. 2016, 336 p.

2. Ivanenko F. V. Technology of production and processing of animal husbandry products: Educational method. Self-help manual studied disc K.: KNEU, 2014. 125 p. URL: https://core.ac.uk/download/pdf/32617596.pdf.

3. Norms, approximate rations and practical advice on cattle feeding [guide]; edited by I.I. Ibatullina, V.I. Kostenko / [H.O. Bohdanov, I.I. Ibatullin, V.I. Kostenko and others]. Zhytomyr: PP "Ruta", 2013. 516 p.

4. Production technology of animal husbandry products / O.T. Busenko, V.E. Skotsyk, M.I. Matsenko and others Under the editorship of O.T. Busenko. K.: Agro-education, 2013. 492 p.

5. Livestock production technology: a course of lectures / L. S. Patreva, O. A. Koval. Mykolaiv: MNAU, 2017. 277 p. $\,$

Auxiliary

1. Anatomy of domestic animals: Textbook / S. K. Rudyk, Yu. O. Pavlovsky, B. V. Kryshtoforova, etc.; Edited by S. K. Rudyk. K.: Agrarian education, 2001. 575 p.

2. Brik, M. M. Current state and prospects for developing the livestock industry in Ukraine. Economic analysis. Ternopil, 2018. Volume 28. No. 4. P. 331-337. URL: file:///C:/Users/Student/Downloads/1649-6565657158-1-PB.pdf.

3. Feeding of agricultural animals: a textbook / I.I. Ibatulin, D.O. Melnychuk, G.O. Bogdanov [and others]; under the editorship I.I. Ibatullina. Vinnytsia: New Book, 2007. 612.

4. Gene pool of agricultural animal breeds of Ukraine: study guide / [V.V. Shuplyk, O.V. Savchuk, I.V. Gudzev and others]. Kamianets-Podilskyi: D.G. Zvoleyko Publishing House, 2013. 352 p.

5. Hopka B.M., Khomenko M.P., Pavlenko P.M. horse breeding K.: Higher School, 2004. 320p.

6. Recipes and technology for preparing kebabs from different types of meat: A practical guide. / [T.M. Prylipko, O.M. Bulatovych, A.T. Zvigun]. Kamianets-Podilskyi: PP "Medobory 2006", 2010. 63 p.

7. Production technology of livestock products / O.T. Busenko, V.D. Stolyuk, V.D. Umanets and others Under the editorship of O.T. Busenko. K.: Agrarian education, 2001. 432 p.

8. Production technology of livestock products / O.T. Busenko, V.D. Stolyuk, O.Y. Mohylyny and others Under the editorship of O.T. Busenko. K.: Higher education, 2005. 496 p.

9. Production technology of pig farming products / According to the general edition of Khomenko M.P. / Textbook 6th edition". Vinnytsia: Nova kniga, 2010. 336 p.

Information resources

1. Association of Pig Breeders of Ukraine: http://asu.pigua.info

2. Agricultural sector of Ukraine: http://agroua.net/animals/

- 3. Horse riding and equestrian sports: http://www.konevodstvo.org/
- 4. News from horse breeding and horse breeding: http://konevodstvo.su/
- 5. The first Ukrainian equestrian magazine http://www.horses.dp.ua/
- 6. Agrobusiness today: http://www.agro-business.com.ua/
- 7. Milkua.info http://www.milkua.info/uk/
- 8. Poultry http://poultry.com.ua
- 9. Forum of rabbit breeders http://krolikovod.com/phpforum/