## Annotation of compulsory educational component

Subject	Technology of milk and beef production
Laatuman	Porceh Alexander
Lecturer	Candidate of agricultural sciences
	Associate Professor of the Department of Milk and Meat
	Production Technology
Course and semester	4th year, 7th and 8th semester
in which it is planned	
to study the discipline	
Faculties whose	Biology and Technology Faculty
postgraduates are	
invited to study the	
discipline	
A list of competences and relevant learning results provided by the discipline	<ul> <li>professional program "Technology of production and processing of livestock products", applicants have to acquire the ability to acquire the following competencies:</li> <li>GC 3. Ability to apply knowledge in practical situations.</li> <li>GC 4. Knowledge and understanding of the subject area and understanding of professional activities.</li> <li>PC 1. The ability to use professional knowledge in the field of production and processing of livestock products for effective business.</li> <li>PC 2. The ability to use modern knowledge about the methods of reproduction, patterns of individual development and breeding of animals for effective professional activities in the field of animal husbandry.</li> <li>PC 7. The ability to control technological actions in the production and processing of livestock products.</li> <li>PC 11. The ability to use the knowledge of the organization and management of the technological action of processing livestock products for the effective conduct of the business of the</li> </ul>
	<ul> <li>company.</li> <li>The result of learning this discipline is the acquisition by a higher education students of such knowledge and skills: <ul> <li>To have specialized knowledge on the technology of livestock production.</li> <li>To determine the live weight of livestock; number calves in different ways; take basic measurements of livestock. Identify dairy and beef cattle. Plan insemination and breeding stock. Keep a record of the movement of livestock at the enterprise. Ensure the implementation of schedules for the increase in live weight of animals in growing, fattening and rearing. Cull animals and complete production teams. Organize the transportation and delivery of livestock to processing enterprises in accordance with</li> </ul> </li> </ul>

the relevant requirements of the standards. Provide parameters and control the technological processes of milk and beef
- Be able to apply the means of self-regulation and be able to
adapt to new situations (circumstances) of life and activity.
- Establish appropriate relationships to achieve results.
- Know the tactics and strategy of communication, the laws
and methods of communicative behavior.
- Be able to choose ways and strategies of communication to
- Use communication strategies and interpersonal skills
- Know the methods of assessing performance indicators.
- Ability to deliver quality work. Build relationships to ensure
quality work.
- Have specialized knowledge about the methods of
reproduction, patterns of individual development and breeding of
animals.
- To carry out biometric analysis. control the process of
exploitation of producers, evaluate the quality of sperm; use
outside the body: prepare the breeding stock of animals for
reproduction and master the technique and rules of insemination
of females of the main animal species.
- Analyze the pedigrees of livestock, assess the exterior of
animals and its shortcomings, analyze and take into account the
indicators of productivity and individual development of animals,
establish the breed affiliation and breed direction of animal
productivity.
- Have basic knowledge of the organization and management
- Provide parameters and control the technological process of
milk and beef production
– Ensure efficient, uninterrupted and safe operation of
machinery and equipment. Prepare accompanying documentation
for livestock and deliver them for processing with minimal losses.
- Carry out delivery and acceptance of livestock and animal
products for processing with quality control to achieve maximum
economic effect. Control the parameters of the technological
process of production, storage and sale of milk, slaughter of
animals and processing of carcasses, evaluate the fattless of animals intended for slaughter and the quality of carcasses
obtained from them: calculate the yield of meat offal raw fat and
skins and organize their primary processing.
- Have specialized knowledge to ensure the parameters and
control the flow of technological processes for the production of
livestock products.

	- Introduce and use in practice modern science-based
	technologies for the production of milk and beef in order to meet
	the quantitative and qualitative indicators of production
	the qualitative and qualitative indicators of production.
	Description of the discipline
Previous conditions	The compulsory academic discipline "Technology of production
which are necessary	of milk and beef" is based on the knowledge of such disciplines
for the study of the	as "Morphology of agricultural animals" "Genetics with
dissipling	biometrics" "Hygiana and walfara of animals" "Physiology of
uiscipiine	agricultural animals" "Feeding agricultural animals" "Breeding
	agricultural animals" "Economics and management of
	enterprises" "Mechanization in animal husbandry" studied in
	previous courses
	previous courses.
The maximum	30 students
number of graduate	50 students
students who can	
study at the same time	
study at the sume time	
	Content module 1. Biology, breeds, dairy and meat
Classroom topics	productivity of cattle
	1 Introduction Significance current state and prospects for the
	development of cattle breeding in Ukraine
	2 Biological characteristics of cattle
	3 Origin of cattle
	4. Appearance and constitution of cattle
	5. Stress resistance of cattle
	6. Breeds of cattle - specialized and combined
	7. Zootechnical bases for herd reproduction. Sexual and
	economic maturity of cattle. Inter-hotel cycle and its periods
	8. Milk performance
	9. Meat productivity
	Content module 2. Technological processes and operations on
	dairy farms. Modernization of technological processes
	1. The concept of technology, technological and workflow in
	animal husbandry
	2. Modern technologies for keeping dairy cattle
	3. The main premises and facilities of the farm
	4. Organization of cow feeding
	5. Placement and grouping of dairy cattle on the farm
	6. Organization of process control
	7. Conditions for obtaining high quality milk
	8. Modern milking technology
	9. Zootechnical aspects of machine milking of cows on farms
	and complexes

	10. Organization of rest and exercise of cows on farms
	11. Farm manure removal
	12. Draft working and operational modeling of processes in
	cattle breeding
	13. Keeping animals in maternity wards
	14. Summer maintenance of BRS
	Content module 3. Selection and breeding work in cattle
	breeding, rearing of replacement young stock, beef
	production technology.
	1. Theoretical foundations of selection in cattle breeding
	2. Evaluation and selection of animals for breeding in dairy
	cattle herds
	3. Methods for assessing sires by the quality of offspring
	4. Grading of cattle
	5. Selection in cattle breeding
	6. Breeding methods for cattle
	7. Technology of growing and using bulls
	8. Scientific basis for rearing rearing young animals
	9. Systems and methods of keeping and feeding young animals
	of all ages
	10. Peculiarities of rearing young stock in different farms
	12. Types of forms for growing and fottening sottle
	12. Types of farms for growing and fattening cattle
	15. Feculiarities of rearing young animals for meat in the milk
	14 Feeding livestock
	15. Beef production technology in dairy cattle breeding on
	specialized farms
	16 Features of specialized beef cattle breeding
	17. Simulation of the process of growing and fattening cattle
	The simulation of the process of growing and factoring cattle
Language of teaching	Ukrainian
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