

Annotation of the optional educational component

The name of the discipline	Horse breeding
Lecturer	Liskovych Volodymyr Andriiovych Candidate of Agricultural Sciences, Associate Professor of the Department of Technology of Milk and Meat Production
Course and semester, which is planned to study the discipline	4 course, 2 semester
The faculties and students which are invited to study the discipline	The Faculty of Biology and Technology
List of competencies and related outcomes of learning that the discipline provides	<p>According to the requirements of the educational and professional program "Technology of production and processing of livestock products" applicants must acquire the ability to obtain the following competencies:</p> <p>GC 3. Ability to apply knowledge in practical situations.</p> <p>GC 4. Knowledge and understanding of the subject area and understanding of professional activities.</p> <p>PC 1. Ability to use professional knowledge in the field of production and processing of livestock products for effective business.</p> <p>PC 2. Ability to use modern knowledge of reproduction methods, patterns of individual development and breeding of animals for effective professional activity in the field of animal husbandry.</p> <p>PC 4. Ability to prepare diets for different species and sex-age groups of animals and organize their normalized feeding, taking into account existing financial and resource constraints.</p> <p>PC 5. Ability to apply appropriate systems and methods of keeping farm animals and to control and</p>

optimize the microclimate of technological premises.

The result of studying the discipline is the students' acquisition of such knowledge and skills:

- Implement parameters and control technological processes for production and processing of animal husbandry products.
- Demonstrate knowledge and understanding of the subject area and understanding of the profession for the purpose of training the company's employees.
- Ability to perform functional duties, leveling the influence of various factors and production situations.
- Adhere to the principles of self-regulation and leading a healthy lifestyle, demonstrate the ability to adapt and act in a new situation.
- Follow the principles of professional communication, cooperate in a team.
- Control the quality of the work performed.
- To influence the compliance with the requirements regarding the preservation of the environment.
- Ability to use modern knowledge of methods reproduction and breeding of animals.
- Ability to prepare rations for different species and sex-age groups of animals and organize their rationing feeding.
- Evaluate systems and methods of keeping farm animals and control and optimize the microclimate of technological premises.
- Ability to apply knowledge of organization and management technological process of production and processing of horse breeding products.
- To be able to apply international and national standards and practices in professional activities.
- Be able to evaluate the main historical stages of development of the subject area.

Description of the discipline

<p>Preconditions necessary for the study of the discipline</p>	<p>Selective academic discipline "Horse breeding" is based on the knowledge of such disciplines as "Biochemistry in animal husbandry", "Physiology of agricultural animals", "Feeding agricultural animals", "Cultivation of agricultural animals" studied in previous courses.</p>
<p>Maximum number of students who can simultaneously study</p>	<p>30 students</p>
<p>Topics of classroom lessons</p>	<p>Topics of lectures</p> <ol style="list-style-type: none"> 1. Introduction. Past, current and future of horse breeding in Ukraine 2. Constitution and exterior of horses 3. The body points, colors, spots, stars, signs and allures of the horses 4. Breed of horses. 5. Biological features of horses' reproduction 6. Organization of trial and pairing of horses 7. Young animals raising 8. Working productivity 9. Productive horse breeding 10. Equestrian sport and tourism 11. Unconventional horse breeding 12. The structure of pedigree work in horse breeding 13. Bonitation of horses, breeding methods and hybridization <p>Themes of practical classes</p> <ol style="list-style-type: none"> 1. Basic safety rules when working with horses 2. Features of evaluation of the horse's body point of different productive orientations.

<p>Language of teaching</p>	<p>Methods of horses' exterior estimation</p> <ol style="list-style-type: none"> 3. The drawbacks and disadvantages of horses' exterior of different productive orientations 4. Classification and characteristic of colors, spots, stars, signs of horses and genetic conditionality in horse-breeding. Rules for describing them in breeding documentation 5. Methods of determination of horses age by teeth and some external signs 6. Determination of the indexes of the body's organization and live weight by the main measurements of horses of different productive orientation 7. Technology for reproduction of horses 8. Operational control of young horses development 9. Types of harnesses. The technique of putting a horse into a one-arched harness 10. Types and structure of saddles, saddle rules and riding 11. Methods of recording and characteristics of milk production of mares 12. Methods of accounting and characteristics of meat productivity of horses 13. Bonitation of horses and requirements to subjects of pedigree business in horse breeding <p>Ukrainian</p>
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