

## Annotation of optional educational component

<b>Academic discipline</b>	<b>Mechanization in livestock</b>
<b>Tutor</b>	Mykola Senchuk, candidate of technical sciences, Associate Professor, of the Department of Electrical Power Engineering, Electrical Engineering and Electromechanics
<b>Courses and semesters, when the discipline is planning to study</b>	2, courses; 4, semesters
<b>Faculties whose students are invited to study discipline</b>	Biological-technological faculty
<b>List of competencies and learning-related outcomes that discipline provides</b>	<p>According to the requirements of the educational-professional program "Mechanization in livestock" applicants must acquire the ability to obtain the following competencies:</p> <p>GC 4. Knowledge and understanding of the subject area and understanding of professional activity.</p> <p>GC 7. Ability to evaluate and ensure the quality of work performed.</p> <p>PC 7. The ability to control technological processes during the production and processing of livestock products.</p> <p>PC 8. The ability to control technological processes during the production and processing of pig products.</p> <p>PC 9 . The ability to control technological processes during the production and processing of poultry products.</p> <p>The result of studying the discipline is the students' acquisition of such knowledge and skills:</p> <ul style="list-style-type: none"> <li>- to know and be able to provide zootechnical requirements during the operation of animal husbandry equipment.</li> <li>- to be able to ensure the efficient operation of animal husbandry equipment regardless of the influence of various factors and production situations.</li> <li>- know the basic regulations and settings of equipment for animal husbandry.</li> <li>- to be able to perform basic adjustments and settings of equipment for animal husbandry to ensure the quality of the work performed.</li> <li>- to know the zootechnical requirements for the operation of equipment to ensure optimal conditions for keeping farm animals and the microclimate of technological premises.</li> <li>- to be able to provide optimal conditions for keeping farm animals and the microclimate of technological premises.</li> </ul>
<b>Description of the discipline</b>	
<b>Preconditions necessary for the study of discipline</b>	Optional educational component «Mechanization in livestock» is based on knowledge of such disciplines as «Admission to the specialty», which were studied in previous semesters.
<b>Maximum number of students who can study simultaneously</b>	55 students

<p><b>Course content</b></p>	<p><b>Lectures, practical classes:</b>  Topic 1. Feed crushers.  Topic 2. Feeders and feeders. Machines for steaming and mixing feed.  Topic 3. Preparation of fodder mixes. Workshops and units for compound feed preparation.  Topic 4. Feed press equipment.  Topic 5. Stall and cellular equipment. Equipment for watering animals and cleaning manure. Formation of microclimate in livestock premises  Topic 6. Feeders.  Topic 7. Milking machines and equipment for primary milk processing.  Topic 8. Equipment for shearing, ranking and packing of wool. Equipment for veterinary-sanitary works.</p>
<p><b>Teaching language</b></p>	<p>Ukrainian</p>