

## SUMMARY

Name of discipline	<b>Production, storage and quality control of feed and feed additives</b>
<b>Teacher</b>	Cherniavskiy Oleksandr candidate of agricultural sciences (PhD) Associate Professor of the Department of technology of feed, feed additives and feeding of animals
<b>Course and semester in which it is planned studying of discipline</b>	2 course, bachelors, the 3rd semester
<b>Faculties which students are offered to study discipline</b>	Faculty of Biotechnological
<b>The list of competences and corresponding results of training that is provided by discipline</b>	<p>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:</p> <p>ZK 3. Ability to apply knowledge in practical situations.  ZK 4. Knowledge and understanding of the subject area and understanding of professional activity.  ZK 7. Ability to evaluate and ensure the quality of performed works.  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.</p> <p>The result of studying in the discipline is the acquisition by students of the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>- - choose rational technologies for harvesting, production and storage of fodder (to know the changes that occur during harvesting, storage of fodder and their preparation for feeding; to know progressive methods and technologies of production and storage of fodder; to be able to implement rational technologies for harvesting and storage of fodder in production)</li> </ul>
<b>Description of discipline</b>	
<b>Preliminary conditions necessary for studying of discipline</b>  <b>The maximum number of students who can study at the same time</b>  <b>Subjects of classroom occupations</b>	<p>No</p> <p>65 students</p> <p><b>Topic of lectures:</b></p> <ol style="list-style-type: none"> <li>1 History of science and general issues of storage and quality control of feed. Biological and ecological features of forage plants</li> <li>2. Conveyor production of feed</li> <li>3. Technologies of production and storage of root crops</li> <li>4 Technologies of production and storage of bulbous plants</li> <li>5. Technology of production and storage of corn silage</li> <li>6. Technology of production and storage of grass silage</li> <li>7. Technologies of production and storage of hay and herbal flour</li> <li>8. Technologies of production and storage of pulp, flour milling, cereal and oilseed extractive industries</li> <li>9. Technologies of production and storage of grain feed. Analysis of feed and evaluation of its chemical composition</li> </ol>

<p><b>Teaching language</b></p>	<p>10. Characteristics and classification of mixed fodders. Technology of production and storage of mixed fodders.</p> <p>11. Technologies for the production and storage of animal feed</p> <p>12. Analysis of fodder and evaluation of its chemical composition</p> <p>13. Classification of feed additives.</p> <p>14. World trends in the application of feed microbiological synthesis</p> <p><b>Topics of a practical training:</b></p> <p>1. Peculiarities of the botanical composition of leguminous perennial herbs.</p> <p>2. Peculiarities of the botanical composition of perennial grasses.</p> <p>3. Extraction of grass mixers</p> <p>4. Development of agrotechnics for the cultivation of perennial grasses</p> <p>5. Botanical and morphological characteristics of root crops. Farming machinery growing.</p> <p>6. Botanical and morphological characteristics of potatoes. Farming machinery growing.</p> <p>7. Assessment of feed quality.</p> <p>8. Assessment of the quality of green fodder.</p> <p>9. Evaluation of the quality of the corn silage.</p> <p>10. Evaluation of the quality of the grass silage.</p> <p>11. Assessment of hay quality.</p> <p>12. Evaluation of straw quality.</p> <p>13. Evaluation of the quality of root crops and melons.</p> <p>14. Grain feed quality assessment.</p> <p>15. Estimation of quality of remnants of oil extraction and waste flour mill production.</p> <p>16. Evaluation of the quality of animal feed.</p> <p>17. Evaluation of the quality of feed and feed additives.</p> <p>18. Zotechnical analysis, as a method for assessing the chemical composition and quality of feed. Determination of initial water. Determination of the content of hygroscopic water. Determination of the total amount of water. Definition of "crude" ash.</p> <p>19. Definition of "raw" protein for Kjeldahl.</p> <p>20. Determination of "raw" fat by Soxhlet.</p> <p>21. Definition of "crude" cellulose by Henneberg and Storm (accelerated method).</p> <p>The Ukrainian</p>
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