Abstract of the optional educational component

Name of discipline	**Biology of farm poultry**
Teacher	**Karkach** Petro Mykhailovych Associate Professor, Candidate of Biological Sciences, Ph, Head of the Department of Technology of Poultry and Pig Production
Course and semester, in which it is planned to study the discipline	Masters 6 year of study, 2 semester
Departments whose students are invited to study discipline	Biological-technological faculty
List of competencies and related learning outcomes that provide discipline	According to the requirements of the educational-professional program "Technology of production and processing of livestock products" applicants must acquire the ability to obtain the following competencies: GC 1. Ability to abstract thinking, analysis and synthesis. GC 2. Ability to conduct research at the appropriate level. GC 3. Ability to learn and master modern knowledge. GC 4. Skills of using information and communication technologies. PC 1. Ability to use modern ideas about the principles of organization of the animal body based on knowledge of the course of physiological and biochemical processes. PC 3. Ability to apply basic knowledge of the organization of technological processes in the production and processing of livestock products. PC 5. Ability to carry out organizational measures for the production of livestock products, solving practical problems of professional activity, the basics of business communication, work with the team. PC 10. Ability to characterize biological and technological processes using specialized software. The result of teaching the discipline is the acquisition of the following knowledge and skills by applicants for higher education - use the physiological functions of various systems of the body of poultry to increase productivity and product quality. - know the biological characteristics of poultry as an object of agricultural production - to know the differences in the structure and functional features of the organs and systems of the poultry body under modern conditions of detention. - be able to apply the acquired domestic and foreign experience in the development of poultry farming and artificial insemination of poultry.

Description of the discipline	
Preconditions necessary for the study of discipline	Selective academic discipline "Biology of farm poultry" is based on the knowledge of such disciplines as "Morphology of agricultural. animals", "Production technology of poultry products", "Physiology of agricultural. animals", "Feeding agricultural animals", "Cultivation of agricultural Animals" and "Hygiene and Animal Welfare" studied in previous courses.
Maximum number of students who can simultaneously study	18 students
Topics of classroom lessons	**Topics of lectures** 1.Biological characteristics of different types of poultry. 2. Features of the structure of the axial skeleton. 3. Biological features of the skeleton of the free thoracic limb. 4. Biological features of the skeleton of the free pelvic limb. 5. Biological features of the muscular system of poultry. 6. Biological features of the respiratory apparatus of poultry 7.Biological features of poultry digestion. 8. Biological features of urination in poultry. 9.Features of the circulatory and lymphatic system of poultry. 10.Features of endocrine organs in poultry. 11. Biological features of the structure and physiological functions of the genitals of female poultry. 12. Biological features of the structure and physiological functions of the reproductive system of male poultry. 13. The value of unconditional sexual reflexes of male poultry. 14. Modes of sexual use of males and their influence on sperm parameters and fertilizing ability of sperm. 15. Anatomical structure and physiological functions of different parts of the oviduct of female poultry. 16.Technique and technology of new and existing methods of artificial insemination of female poultry. **Topics of practical classes** 1.Sensory organs. 2.Organ of vision - features of the structure of the eyeball. 3.Organ of hearing-the structure of the inner ear. 4.Biological feature of reproduction of birds. Early maturity and fertility of birds. 5.Features of the development of the poultry embryo. 6.Egg productivity of poultry. 7.Equipment and techniques for determining the quantitative and qualitative indicators of sperm of male poultry. 8.Age of sexual maturity and conditions of productive use of males and females for different types of poultry.
Language of teaching	Ukrainian