UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Veterinary Medicine

Veterinary prevention II

ECTS: 4.00

SUBJECT MATTER CONTENT

LECTURE
The individual topics of the lectures are: - History and development of veterinary prevention; -Rules for creating and implementing preventive programs; - Subclinical conditions and production imperfections; - Components of a preventive program; - Factors influencing the development of preventive programs; - Conditions for adopting a preventive program; - State of the herd; - Animal farms as economic units; - Veterinary inspection - assumptions, execution, goals; - Threat control and elimination strategies; - Prevention of viral diseases on a selected example; Prevention of bacterial diseases on a selected example; Prevention of non-infectious factors on the selected example; Alternatives to the use of antibiotics as part of preventive measures;

PRACTICAL CLASSES
Computer support for the Veterinary Inspection; Computer systems of animal identification and registration - breeding programs - quality control systems; Removal of carrion. Bio-insurance of production farms; Farm waste and the environment. Characteristics of sewage treatment plants and sedimentary waters.

AUDITORIUM CLASSES
Prevention programs for herds of cattle, sheep and goats; pig herds; Hygiene programs for equines and companion animals; Animal herd health control strategy - Quarantines. Bio-insurance of production farms; Forms of farm management.

TEACHING OBJECTIVE
The characteristics of the animal welfare conditions. Herd health. Hygienic requirements in the breeding of production animals. Prevention programs for species of animals. The aim of the subject is to teach the skills of understood analysis, the health condition of animals, the ability to draw conclusions and develop strategic programs.

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

Symbols for outcomes related to the discipline:	R/WA_P7S+++
Symbols for outcomes related to the field of study:	K.1.+, B.U23. +, A.W10. +, A.U14. +, K.3.+, A.W16. +, B.W17. +, A.U16. +, K.12.+, C.U4. +, A.W13. +, C.U2. +, A.U23. +, B.W7. +, B.W9. +, K.10.+, K.6.+, K.11.+, K.2.+, B.W5. +, B.W15. +, B.W16. +, A.W22. +, B.U21. +, B.U1. +, B.U6. +, B.U25. +, A.U15. +, B.W20. +, A.U13. +, A.U7. +, K.4.+, B.W6. +, K.5+, C.W2. +, C.W3. +, B.U20. +, A.U19. +, B.W22. +,

Legal acts specifying learning outcomes:
682/2020
Disciplines: Veterinary science
Status of the course: Obligatoryjny
Group of courses:B - przedmioty kierunkowe
Code: ISCED 0841
Field of study: Veterinary Medicine
Scope of education:
Profile of education: General academic
Form of studies: full-time
Level of studies: uniform master's studies
Year/semester: 5/10

Types of classes: Lecture, Practical classes, Auditorium classes
Number of hours in semester: Lecture: 30.00, Practical classes: 6.00, Auditorium classes: 24.00
Language of instruction: Polish
Introductory subject: The entire study program
Prerequisites: The knowledge of all subjects preceding the study program

Name of the organisational unit conducting the course: Katedra Prewencji Weterynaryjnej i Higieny Pasz
Person responsible for the realization of the course:dr hab. wet. Łukasz Zielonka, prof. UWM
e-mail: lukasz.zielonka@uwm.edu.pl

Additional remarks:

A.U17. +, B.U2. +, A.U1.+, B.U22. +, A.U18. +, K.7.+, A.W11. +, A.U12. +, B.W4. +, A.U21. +, C.U3. +, B.W8. +

LEARNING OUTCOMES:

Knowledge:

W1 – The student has knowledge of the establishment of veterinary inspection bodies in the structures of European and global organizations responsible for human and animal health and the safety of animal production. The student has knowledge of the principles of creating and implementing preventive programs. He knows the critical points in the breeding process of individual animal species.

Skills:

U1 – The student has the ability to obtain data on the health status of the herd of animals, its productivity. He can design and carry out preventive actions against disease entities and production dysfunctions of various etiology. He can use various diagnostic tools and information systems in animal production.

Social competence:

K1 – The student is able to analyze the risk of threats, cooperate with representatives of other professions, use the organizational infrastructure in the field of public health protection and conduct breeding in a responsible manner and in accordance with social principles.

TEACHING FORMS AND METHODS:

Lecture(W1;U1;K1;):The following teaching methods will be used during the lectures: teaching methods (informative lecture, explanation), problem methods (problem lecture, classic problem method), didactic discussion (lecture, brainstorming).
Practical classes(W1;U1;K1;):Classes in livestock buildings for pigs - situational method; classes in a rendering plant processing Category III by-products.
Auditorium classes(U1;K1;):The following teaching methods will be used during classes: didactic discussion (brainstorming), activating methods (case method, situational method), problem method (seminar lecture, classic problem method).

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Oral exam) - The exam consists in a detailed discussion of two issues in the field of veterinary prevention selected from the set available to students before the exam. A positive mark requires that a reply to the mark at least sufficient from each selected issue. -
Practical classes (Evaluation of the work and cooperation in the group) - Assessment based on the completion of the SPIWET veterinary inspection protocol in the field of pig farm biosecurity. -
Practical classes (Report) - Ocena raportu - dopuszczalne maksymalnie trzy błędy w raporcie. -
Auditorium classes (Colloquium test) - Completion of the test is phased in a written form consisting of 10 questions. To pass the test, you must obtain at least 65% of the possible points. The grading of grades is based on the score thresholds described in the faculty procedure "Principles of grading students". In the event of suspension of full-time classes, it is allowed to conduct an on-line test in the form of a test or an oral answer. -

BASIC LITERATURE:

1. Linda Caveney, Barbara Jones, Kimberly Ellis, *Veterinary Infection Prevention and Control*, Wyd. Villey- Blackwell, R. 2016
2. A. Aland and F. Madec, *Sustainable animal production. The challenges and potential developments for professional farming*, Wyd. Wageningen Academic Publishers, R. 2009

SUPPLEMENTARY LITERATURE: