

**Veterinary prevention I****ECTS: 2.00****SUBJECT MATTER CONTENT****PRACTICAL CLASSES**

Measurements of lighting, temperature and relative humidity in livestock buildings; measurements of air movement, cooling, effective temperature, gas concentration (ammonia, hydrogen sulfide, carbon dioxide); measurement of air dustiness.

AUDITORIUM CLASSES

Thermoregulation and temperature in animals; Air humidity in animal houses; Practical classes – measuring lighting, temperature and relative humidity in animal houses; Cooling systems for animal housing, air movement, dust levels and airborne microflora in animal houses; Noxious gases and ventilation in animal houses; Thermal insulation of animal houses; Pest management.

TEACHING OBJECTIVE

Teaching 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.U20. + , B.U23. + , B.U25. + , C.U3. + , B.W20. + , K.7.+ , K.3.+ , K.6.+ , K.11.+ , K.4.+ , B.W17. + , K.5+ , C.W2. + , C.U4. + , B.U21. + , B.W5. + , B.W15. +

LEARNING OUTCOMES:**Knowledge:**

W1 – The student has knowledge of the influence of environmental factors on the health and productivity of animals. Knowledge of the possibility of regulating microclimate parameters in livestock buildings. Adaptation of production technology to the behavioral needs of animals.

Skills:

U1 – The student has the ability to assess the production conditions in terms of microclimate, the impact of the farm environment on the health and productivity of animals. The ability to optimize production processes and adapt the production cycle to the physiological abilities of animals.

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:** 5/9**Types of classes:** Practical classes, Auditorium classes**Number of hours in****semester:** Practical classes: 4.00,

Auditorium classes: 26.00

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:**

Social competence:

K1 – The student is competent to assess the degree of risk of health and production dysfunctions in farm animals, and to prevent such phenomena; formulating conclusions from zoo-hygienic measurements, application of the law defining the conditions of animals breeding.

TEACHING FORMS AND METHODS:

Auditorium classes(W1;U1;K1):

Practical classes(U1):Performing the analysis and assessment of animal welfare in farm conditions.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Practical classes (Evaluation of the work and cooperation in the group) - Assessment of zoohygienic conditions in the livestock building. Preparation of a test report. -

Auditorium classes (Colloquium test) - Completion of the test is written in stages, 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". The student may attempt to correct the test twice. The condition for receiving the final pass from the exercises is to obtain positive marks from all tests taking place in the course of the classes. In case of passing all the tests, the final grade for the exercises is issued on the basis of the arithmetic mean value of all the grades obtained in the tests. Failure to pass any of the tests is tantamount to obtaining an unsatisfactory final grade in the exercises. In the case of suspension of classroom classes, it is allowed to conduct an on-line test in the form of a test or an oral answer. -

BASIC LITERATURE:

1. Horsch F., *Immunoprofilaktyka u zwierząt użytkowych*, Wyd. PWRiL, R. 1985
2. A. Aland and F. Madec., *Sustainable animal production. The challenges and potential developments for professional farming*, Wyd. , R. 2009
3. Linda Caveney, Barbara Jones, Kimberly Ellis, *Veterinary Infection Prevention and Control*, Wyd. , R. 2016

SUPPLEMENTARY LITERATURE:

1. Prawodawstwo krajowe , *Rozporządzenia, dyrektywy*, Wyd. , R. 0000
2. Prawodawstwo Unii Europejskiej, *Rozporządzenia, dyrektywy*, Wyd. , R. 0000