



Forensic of veterinary medicine

ECTS: 2.00

SUBJECT MATTER CONTENT

LECTURE

Presentation of basic information on procedures, documentation and lawsuit rules useful for a veterinarian in cooperation with judicial and investigative authorities in matters related to the protection of animals. Acquainting with the role of a veterinarian as an expert. Discussing the types and forms as well as signs and symptoms of animal abuse (including starvation, keeping in inappropriate living conditions, inhumane killing, non-accidental injuries, sexual abuse, etc.). Preparation for the preparation of opinions and expert opinions.

AUDITORIUM CLASSES

Determining the time since death of an animal based on post-mortem changes. Collecting and securing evidence. Biological trace analysis to obtain information on animal incidents, including assessment of blood spots and hair. Discussion of death as a process (thanatology). Mechanism and effects of physical factors, distinguishing between vital and post-mortem changes caused by physical factors (gunshot wounds, wounds caused by sharp- and blunt-edged tools, thermal factors, radiation, overload, etc.). Basic information in the field of entomology.

PRACTICAL CLASSES

Determining the time since death of an animal based on post-mortem changes. Collecting and securing evidence. Biological trace analysis to obtain information on animal incidents, including assessment of blood spots and hair. Discussion of death as a process (thanatology). Mechanism and effects of physical factors, distinguishing between vital and post-mortem changes caused by physical factors (gunshot wounds, wounds caused by sharp- and blunt-edged tools, thermal factors, radiation, overload, etc.). Basic information in the field of entomology.

TEACHING OBJECTIVE

Preparation of a veterinarian to cooperate as an expert with the judicial authorities. Getting to know the basic types of proceedings and the judiciary of veterinary chambers. Detection and preservation of physical evidence, including analysis of biological evidence from animals. Acquiring knowledge in the field of animal protection and recognizing in vivo and post-mortem changes that indicate animal abuse.

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+++

Legal acts specifying learning outcomes:
682/2020
Disciplines: Veterinary science
Status of the course: Obligatoryjny
Group of courses: A - przedmioty podstawowe
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: 4/8

Types of classes: Lecture, Practical classes, Auditorium classes
Number of hours in semester: Lecture: 15.00, Practical classes: 5.00, Auditorium classes: 10.00
Language of instruction: Polish
Introductory subject: pharmacology, pathomorphology, pathophysiology, toxicology
Prerequisites: students should have knowledge of pathological anatomy and histopathology, with particular emphasis on various circumstances and factors causing the disease or death of an animal

Name of the organisational unit conducting the course: Katedra Patofizjologii, Weterynarii Sądowej i Administracji
Person responsible for the realization of the course: dr wet. Izabella Babińska
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Additional remarks:

Symbols for outcomes related to the field of study:

K.1.+ , B.W7. ++, A.W22. ++, B.W9. +, C.U2. ++, B.U16. +, B.W2. +, B.W3. +, C.W2. ++, A.U16. ++, K.2.+ , B.W5. +, C.U4. ++, B.W16. +, B.U1. +, B.U3. +, B.W6. +, A.U13. ++, K.5+, A.U15. ++, C.W3. +, B.U20. +, B.U2. +, A.W11. +, A.U12. +, K.4.++, C.U3. +

LEARNING OUTCOMES:

Knowledge:

W1 – knowledge of the definitions and issues related to various types of lawsuit proceedings, including the judiciary of veterinary chambers

W2 – knowledge of the legal regulations governing the operation of veterinary practices and the performance of the profession of a veterinarian, also in the context of the legal protection of animals

W3 – knowledge of the various forms and types of animal abuse

Skills:

U1 – cooperation of a veterinarian with the judicial authorities as an expert

U2 – the ability to analyze and evaluate the incidents related to the abuse of animals, including examination of veterinary documentation, the living environment of animals, and conducting clinical and post-mortem examinations of animals

U3 – the ability to analyze and evaluate conflict cases and take preventive actions, adopt the appropriate attitude in the case of civil or criminal liability of a veterinarian

Social competence:

K1 – proceedings in accordance with generally applicable and specific law in the field of veterinary medicine

K2 – recognition of biological material, conducting an on-site inspection and examination of animals for lawsuit purposes necessary in the work of a veterinarian as an expert

TEACHING FORMS AND METHODS:

Lecture(W1;W2;W3;U1;K1):multimedial presentation

Practical classes(W2;W3;U1;U2;U3;K1;K2):supervising and assessing the performance of the task

Auditorium classes(W2;W3;U1;U2;U3;K1;K2):multimedial presentation, didactic and panel discussion

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Colloquium test) - Verification of the achievement of learning outcomes in the scope of the material discussed in the lectures is an integral part of the test conducted as part of the classes, hence the description of the form and conditions for passing the exercises also apply to passing the lectures. -

Practical classes (Evaluation of the work and cooperation in the group) - performance of the task, presentation of the result and conclusions -

Auditorium classes (Colloquium test) - There are 2 written tests per semester with open / descriptive questions. The grade for the test is issued on the basis of the arithmetic mean value of the grades obtained for each question. The rounding of the evaluation is based on the following value ranges: average ≥ 4.76 : very good (5.0); average in the range of 4.26 - 4.75: good plus (4.5); average in the range: 3.76 - 4.25: good (4.0); average in the range of 3.26 - 3.75: sufficient plus (3.5); average in the range of 3.25 - 3.0: satisfactory (3.0); mean ≤ 2.99 : unsatisfactory (2.0). 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 (including failing grades). The rounding of the evaluation is based on the following value ranges: average ≥ 4.76 : very good (5.0); average in the range of 4.26 - 4.75: good plus (4.5); average in the range: 3.76 - 4.25: good (4.0); average in the range of 3.26 - 3.75: sufficient plus (3.5); mean ≤ 3.25 : satisfactory (3.0). Failure to pass any of the tests is tantamount to obtaining an unsatisfactory final grade in the exercises. In the event of a top-down suspension of classroom classes and the necessity of online learning, the methods of verifying the achievement of learning outcomes declared in the syllabus, i.e. the forms of passing the exam and classes, may change in a manner appropriate to the situation. -

BASIC LITERATURE:

1. Bailey D., *Practical veterinary forensics.*, Wyd. CABI, R. 2016
2. Rogers E.R., Stern A.W., *Veterinary forensics. Investigation, evidence collection and expert testimony.*, Wyd. CRC Press Taylor Francis Group, R. 2018
3. Brooks J.W., *Veterinary forensic pathology.*, Tom 1 i 2, Wyd. Springer International Publishing, R. 2018
4. Merck M.D., *Veterinary forensics. Animal cruelty investigations.*, Wyd. Blackwell Publishing, R. 2007
5. Michalski Z., *Weterynaria sądowa.*, Wyd. Wydawnictwo AR, Wrocław, R. 1993
6. Szarek J., *Lekarz weterynarii jako biegły.*, Wyd. Wydawnictwo UWM, Olsztyn, R. 2005
7. Szarek J., Przeździecka D., Babińska I., Sobczak-Filipiak M., Truszczyńska M., *Weterynaria sądowa - przewodnik do ćwiczeń.*, Wyd. Wydawnictwo UWM, Olsztyn, R. 2003
8. Cooper J., Cooper M., *Introduction to veterinary and comparative forensic medicine.*, Wyd. Blackwell Publishing, R. 2007
9. Munro R., Munro H.M.C., *Animal abuse and unlawful killing. Forensic veterinary pathology.*, Wyd. Saunders Ltd., R. 2007

SUPPLEMENTARY LITERATURE:

1. Raszeja S., Nasiłowski W., Markiewicz J., *Medycyna sądowa. Podręcznik dla studentów.*, Wyd. PZWL, Warszawa, R. 1990
2. Wójcikiewicz J., *Ekspertyza sądowa.*, Wyd. Kantor Wydawniczy Zakamycze, Kraków, R. 2002
3. Lisowski A., *Roszczenia klientów i odpowiedzialność cywilna lekarzy weterynarii.*, Tom 82, Wyd. Życie Weterynaryjne, R. 2007, s. 556-566
4. Gibasiewicz W.A., *Poubojowe oznaki okrutnego obchodzenia się z bydłem rzeźnym.*, Tom 82, Wyd. Życie Weterynaryjne, R. 2007, s. 846
5. Rutkowiak B., *Czy można mówić o humanitarnym pozbawianiu życia zwierząt?*, Tom 85, Wyd. Życie Weterynaryjne, R. 2010, s. 410-411
6. McDonough, Sean P., Southard, Teresa L., *The necropsy guide for dogs, cats, and small mammals.*, Wyd. Wiley Blackwell, R. 2017