



Protection and use of experimental animals

ECTS: 0.92

SUBJECT MATTER CONTENT

LECTURE

Anatomy and physiology of laboratory and experimental animals. Pros and cons of animal experimentation. Ethical animals use. Preparing animals for procedures. Methods of animals handling for each species. Basics of animal behavior. Recognizing of signs of pain and distress. Anesthesia and analgesia. Influence of anesthetics and anaesthetics on the experiment. Legal regulations of experimental animal protection. Ethical Committees. Biosecurity in animals experimentation. Breeding of laboratory animals. Rules of laboratory animals breeding. Environmental enrichment. Regular animal care.

CLASSES

Preparing animals for procedures. Methods of animals handling for each species. Basics of animal behavior. Recognizing of signs of pain and distress. Anesthesia and analgesia. Influence of anesthetics and anaesthetics on the experiment. Biosecurity in animals experimentation. Breeding of laboratory animals. Rules of laboratory animals breeding. Environmental enrichment. Regular animal care.

TEACHING OBJECTIVE

Acquainting with the principles of working with experimental animals and acquiring skills in dealing with experimental and laboratory animals in scientific research.

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.+ , A.W10. + , A.U16. + , K.8.+ , A.W5. + , A.W4. + , B.W9. + , K.10.+ , A.W9. + , A.W8. + , B.W1. + , K.2.+ , A.W1. + , A.W22. + , A.W3. + , B.U1. + , A.U15. + , A.U7. + , K.4.+ , K.5+ , C.W3. + , A.U19. + , A.W2. + , A.U1.+ , K.9.+ , A.W11. + , A.U4. + , C.U3. +

LEARNING OUTCOMES:

Knowledge:

W1 – knows the rules of working with experimental animals

Skills:

U1 – handles experimental animals in an appropriate and humane manner

Social competence:

K1 – ethical handling of experimental animals

Legal acts specifying learning outcomes:
682/2020
Disciplines: Veterinary science
Status of the course: Obligatoryjny
Group of courses: O - przedmioty kształcenia ogólnego
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: 2/3

Types of classes: Lecture, Classes
Number of hours in semester: Lecture: 15.00, Classes: 8.00
Language of instruction: Polish
Introductory subject: biology
Prerequisites: Completion of subjects in the first year of studies.

Name of the organisational unit conducting the course: Katedra Patofizjologii, Weterynarii Sądowej i Administracji
Person responsible for the realization of the course: prof. dr hab. wet. Krzysztof Wąsowicz
e-mail: wasowicz@uwm.edu.pl

Additional remarks: brak

TEACHING FORMS AND METHODS:

Lecture(W1;U1;K1;):multimedial presentation, panel discussion

Classes(W1;U1;K1;):multimedial presentation, practical classes with phantoms, visiting the animal facility, panel discussion

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Part in the discussion) - presence and activity during classes -

Classes (Part in the discussion) - presence and activity during classes -

BASIC LITERATURE:

1. Szarek J., Szweda M., Strzyżewska E., *Zwierzęta laboratoryjne. Patologia i użytkowanie.*, Wyd. Wydawnictwo UWM, Olsztyn, R. 2013
2. Hubrecht R.C., Kirkwood J., *The UFAW handbook on the care and management of laboratory and other research animals.*, Wyd. Wiley-Blackwell, R. 2010

SUPPLEMENTARY LITERATURE:

1. Garber J.C. i wsp., *Guide for the care and use of laboratory animals.*, Wyd. The National Academies Press, R. 2010
2. Wolfensohn S., Lloyd M., *Handbook of laboratory animal management and welfare.*, Wyd. Wiley-Blackwell, R. 2003

