Study Programme: VETERINARY MEDICINE

Course Unit Title: Animal welfare

Course Unit Code: 3DVM1I12

Name of Lecturer(s): Prof. Dr Zdenko Kanački, Doc. Dr Marija Pajić, Doc. Dr Nenad Stojanac, Doc. Dr Ljiljana Kuruca

Type and Level of Studies: Doctoral studies

Course Status (compulsory/elective): elective

Semester (winter/summer): winter

Language of instruction: English

Mode of course unit delivery (face-to-face/distance learning): face-to-face

Number of ECTS Allocated: 6

Prerequisites: none

Course Aims:

The aim of this course is to provide students with an understanding of the need of obeying the animal welfare principles as well as to provide them with the methods of securing welfare of laboratory and experimental animals, pets, animals used for sport and fun, ZOO animals, farm animals and slaughter animals.

Learning Outcomes:

Upon successful completion of the course, students will be able to understand animal needs, physiological and pathological basis of animal behavior, factors that have impact on welfare of animals in different situations (laboratory and experimental animals, pets, animals used for sport and fun, ZOO animals, farm animals and slaughter animals), factors that may compromise their welfare and measures for control of the welfare.

Syllabus:

Theory

Animal behavior; The impact of environmental factors on the behavior of animals; Stress adaptation, welfare and behavior; Ethical aspects of animal testing and related legislation; Laboratory animal welfare; The use and care for laboratory animals; Alternative methods; Euthanasia of laboratory animals; The welfare of pets, animals used for sport and fun and ZOO animals; Farm animal welfare and related national and EU legislation; Welfare of slaughter animals during their transport, stay at the market and lairage, stunning and slaughter; The impact of the animal welfare on meat quality and safety.

Practice

The assessment of welfare of different categories and groups of animals in various situations: laboratory and experimental animals; pets; animals used for sport and fun; ZOO animals; farm animals and slaughter animals.

Required Reading:

1. Kaliste, W.: The welfare of Laboratory Animals, Kluwer Academic Publishers, 2004.
2. Стевановић, Ђ.: Основи науке о лабораторијским животињама. Београд, 2002.
3. Стевановић, Ђ.: Методе и технике експерименталног рада са лабораторијским животињама. Београд, 2004
4. Вучинић Маријана: Понашање, добробит и заштита животиња. ВКС, Београд, 2004.
5. Gregory, Neville G. (1998), Animal welfare and meat science, CABI Publishing, UK.
6. Frans J.M. Smulders and Bo Algers (Eds) (2009) Welfare of production animals: assessment and management of risks. Wageningen Academic Publishers, The Netherlands.
7. EFSA opinions with respect to issues related to welfare of farm and slaughter animals.

Weekly Contact Hours:	**Lectures:** 3	**Practical work:** 3

Teaching Methods:

Lectures in the classroom with the use of audio-visual aids; Visits to farms, abattoirs, ZOO, and other places and animal holdings with the aim of assessment of their welfare; Independent research work.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Active class participation	10	oral exam	50
Independent research work	10		
Seminar(s)	30		