Course Unit Descriptor

Study Programme: Veterinary Medicine

Course Unit Title: Zoohygiene

Course Unit Code:

Name of Lecturer(s): Nada P.Plavša

Type and Level of Studies: Undergraduate academic studies

Course Status (compulsory/elective): Mandatory

Semester (winter/summer): summer

Language of instruction: English

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

Number of ECTS Allocated: 4

Prerequisites:

Course Aims:
The course allows the student to acquire basic knowledge about hygiene of the environment and factors which disrupt it, climate change, accommodation hygiene and keeping of some species of domestic animals

Learning Outcomes:
Upon completion of this course students should be able to master and define the basic concepts of environmental hygiene, climate change and its impact on the health and behavior of animals, to describe the basic procedures of performing hygiene measures, recognize failures in housing and keeping of certain animal species and categories, to apply methods and instruments for determining the microclimate, hygienic and physical conditions of housing of animals, to determine indicators of stress that affect the welfare of the animals and the factors that originate from the farm that jeopardize a healthy environment, to assess housing conditions, transport of animals and the application of hygienic measures. Students should be able to be involved in solving problems in the area of influence of ambient conditions on the quality and health of the animals.

Syllabus:
Theory lessons Introductory concept and hygiene tasks, historical development of animal hygiene, a new concept of health and disease; Air as hygiene factor; Climate and microclimate environmental conditions; Thermoregulation and biological importance of individual components of the microclimate;Particular effect of unfavorable conditions; Soil as a hygiene factor; Chemical and biological functions of soil; Water as a hygiene factor; Sources and water facilities; Chemical substances in water; Purification and improvement of water quality; Hygiene of animal nutrition; Nutrition as morbogenic factor; Hygiene of pastures and grazing; Hygiene and accommodation rearing; Hygiene of accommodation and keeping of pigs; Hygiene of accommodation and keeping of poultry; Hygiene of accommodation and keeping of cattle; Hygiene of accommodation and keeping of sheep; Disinfection,pest and rodent control.

Practical teaching: Introduction with the equipment for laboratory testing of air, soil, water and food; Testing of dust; Determination of bacteria in the air; Determination of the physical parameters of the air; Determination of the sanitary number of soil; Bacteriological and helmintological methods of soil pollution testing; Removing the taste and odor of water; Disinfection of water; Hygiene of accommodation and keeping of pigs – field; Hygiene of accommodation and keeping of cattle – field; Hygiene of accommodation and keeping of horses - field; Hygiene of accommodation and keeping of poultry – field; Hygiene of accommodation and keeping of sheep – field; Preparation and execution of disinfection under field conditions; Preparation and perform pest control in field conditions.

Required Reading
Plavša Nada, Higijena I preventive bolesti,, Poljoprivredni fakultet Novi Sad, 2012.
Antun Asaj, Higijena na farmi I okolišu, Sveučilište Zagreb, 2003
Hristov Slavča, Zoohigijena, Poljoprivredni fakultet Beograd, 2002

Weekly Contact Hours:	**Lectures: 2**	**Practical work: 2**

Teaching Methods: Lectures, Practical classes, Consultations, research work

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Active class participation	5	written exam	30/20
Practical work	30	oral exam	0
Preliminary exam(s)	10	…….	
Seminar(s)	0		

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.