

Ethology and Welfare of Farm Animals [169]

COURSE OUTLINE

(1) GENERAL

SCHOOL	ANIMAL BIOSCIENCES		
ACADEMIC UNIT	DEPARTMENT OF ANIMAL SCIENCE		
LEVEL OF STUDIES	Undergraduate [Required]		
COURSE CODE	169	SEMESTER	7th
COURSE TITLE	ETHOLOGY AND WELFARE OF FARM ANIMALS		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Theory		3	3
TOTAL		3	3
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Scientific area		
PREREQUISITE COURSES:	-		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS:	Yes (in English)		
COURSE WEBSITE (URL):	https://oeclass.aua.gr/eclass/courses/706/ (in Greek)		
TEACHING STAFF:	Simitzis P.		

(2) LEARNING OUTCOMES

Learning outcomes	
The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described. Consult Appendix A - Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area - Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B - Guidelines for writing Learning Outcomes	
The course "Ethology of Farm animals" aims to familiarize students, in theoretical and practical level, with the contemporary applied methods of studying animal behaviour and especially farm animal behaviour. Upon successful completion of the course, students will be able (according to Bloom) to: - Describe and explain the basic parameters of animal behavior, including the design and interpretation of ethograms (Knowledge / Comprehension). - Analyze hereditary and environmental factors influencing animal behavior and predict their effects on behavioral patterns (Analysis / Evaluation). - Recognize, classify, and differentiate behavioral patterns among different animal species (Knowledge / Analysis / Evaluation). - Apply contemporary methods for recording, measuring, and studying animal behavior, including data acquisition, handling, and evaluation (Application / Analysis). - Identify parameters characterizing abnormal and stereotypical behaviors and propose management adjustments to minimize stress and problem behaviors (Analysis / Synthesis / Evaluation). - Prepare and write scientific reports summarizing behavioral observations, analyses, and recommendations (Application / Synthesis).	
General Competences	
Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim? Search for, analysis and synthesis of data and information, with the use of the necessary technology Project planning and management Respect for difference and multiculturalism	

<i>Adapting to new situations</i>	<i>Respect for the natural environment</i>
<i>Decision-making</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Working independently</i>	<i>Criticism and self-criticism</i>
<i>Team work</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an international environment</i>	
<i>Working in an interdisciplinary environment</i>	<i>Others...</i>
<i>Production of new research ideas</i>	

- Search, analysis and synthesis of data by using the necessary forms of technology
- Individual and group work
- Producing new research ideas
- Promotion of free, creative and inductive thinking

(3) SYLLABUS

1. Animal behaviour and ethology i. Historical review and contemporary trends ii. The transmission of signals iii. Sensory systems and stimuli (vision, hearing, olfaction, taste, sound production) iv. Mechanism of communication v. Consciousness in animals vi. Instinct, learning ability and memory 2 2. Behaviour of young - growing animals i. Embryo ii. Neonatal iii. Sensory development iv. Imprinting v. Grouping vi. Games 3. Behaviour of adult animals i. Ingestive – feeding behaviour ii. Environment detection iii. Rest and sleep iv. Communication v. Social behaviour 4. Reproductive behaviour i. Behavioural basis of reproduction ii. Oestrous behaviour iii. Mating behaviour iv. Behaviour during parturition 5. Abnormal behaviour
6. Evolution and behaviour
7. Genetic basis of behaviour
8. Behaviour of ruminants i. Cattle ii. Calves iii. Sheep iv. Goats 9. Pig behavior i. Gilt ii. Boar iii. Fattening piglet 10. Behaviour of birds i. Laying hens ii. Broilers iii. Others 11. Behaviour of rabbits i. Does ii. Fattening rabbits 12. Behaviour and animal welfare. i. Interaction between human and animal behaviour ii. Welfare of productive animals

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	In class, face to face.	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	PowerPoint and video presentations. Communication with students via e-mail. Teaching support through access to the e-class platform, to on-line databases etc.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	39
	Personal or Group written essay	16
	Individual study	20
	Course total (25 h of workload per ECTS)	75
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	I. Final written examination on the course's theory (100%), consisting of: 1. Evaluation of elements of the course's theory 2. Short-answer questions	

(5) ATTACHED BIBLIOGRAPHY

-Proposed Literature: Jensen P., 2002. The Ethology of Domestic Animals: An Introductory Text. CABI Publ. Mc Farland D., 1999. Animal Behaviour. Pearson Education Limited, Edinburgh, England Scott G., 2005. Essential Animal Behavior. Blackwell Publishing, Australia. -Related Scientific Journals: Applied Animal Behaviour Science, Physiology & Behavior, Animals
