

Animal Production and Public Health [238]

COURSE OUTLINE

(1) GENERAL

SCHOOL	ANIMAL BIOSCIENCES		
ACADEMIC UNIT	DEPARTMENT OF ANIMAL SCIENCE		
LEVEL OF STUDIES	Undergraduate [Major Elective]		
COURSE CODE	238	SEMESTER	9 th
COURSE TITLE	ANIMAL PRODUCTION AND PUBLIC HEALTH		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
Lectures		2	2
2		3	
TOTAL		2	2
COURSE TYPE	Scientific area		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS:	YES (in English)		
COURSE WEBSITE (URL):	https://mediasrv.aua.gr/eclass/courses/EZPY216/		
TEACHING STAFF:	Athanasios Gelasakis		

(2) LEARNING OUTCOMES

Learning outcomes
The course is focused on the study and analysis of the parameters of Animal Production that influence Public Health, and at the investigation and understanding of the surveillance and control of these factors with regards to the protection of Public Health. The expected learning outcomes are the following: • The ability to acquire, comprehend, evaluate and utilise the relevant international literature and regulations in order to learn the procedure of their analysis. • Comprehend the relevant terminology and regulations. • Comprehend the measures of public health protection at the level of animal production. With regards to Bloom the student will be able to: • Comprehend the relevant terminology [KNOWLEDGE, COMPREHENSION] • Learn the relevant regulations [KNOWLEDGE, COMPREHENSION] • Be able to analyse and present relevant data [ANALYSIS] • Combine theoretical knowledge and research experience to the level necessary for the analysis of the relevant international information in order to implement and evaluate the measures of public health protection applicable in animal production [ANALYSIS]
General Competences
• Investigate, analyse and compose data and information, using the appropriate technical means • Autonomous work • Decision making • Team work • Promote free, creative, and conductive thinking

(3) SYLLABUS

• Basic principles of veterinary epidemiology • Epidemiological studies • Epidemic curves • Passive and active surveillance • One health
--

- Zoonotic diseases
- Food-borne and water-borne diseases
- Professional hazards in livestock production
- The hygienic impact of waste of animal establishments
- Antibiotic resistance in animal science

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face-to-face – Classroom discussion	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Internet (infographics, videos), communication via e-mail, exploitation of electronic platforms to support teaching (e.g. open e-class, e-student, Microsoft teams)	
TEACHING METHODS	Activity	Semester workload
	Non-supervised study	20
	Interactive teaching - lectures	15
	Research essay	15
	Course total (25 h of workload per ECTS)	50
STUDENT PERFORMANCE EVALUATION	The evaluation will be conducted in Greek for undergraduate students and in English for Erasmus students • Optional attendance of Lectures. • Written exams with short answer and multiple-choice questions. • Preparation of an essay on one of the subjects of the course and presentation in the class (50% bonus on the final grade). Erasmus students prepare a written essay of their choice related to the course and present it in the class.	

(5) ATTACHED BIBLIOGRAPHY

Lecture notes

Suggested scientific journals:

- American Journal of Public Health,
- Journal of Agricultural Science,
- Journal of Animal Science
- EFSA journal