

COURSE OUTLINE

1. GENERAL INFORMATION

SCHOOL	APPLIED ECONOMIC AND SOCIAL SCIENCES		
ACADEMIC UNIT	AGRIBUSINESS AND SUPPLY CHAIN MANAGEMENT		
LEVEL OF STUDY	<i>Undergraduate</i>		
COURSE CODE	5104	SEMESTER	1st
COURSE TITLE	Animal husbandry		
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS	CREDITS	
Lectures	5	5	
COURSE TYPE	General Background		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS	Greek		
IS THE COURSE OFFERED for ERASMUS STUDENTS?	YES (in English)		
COURSE WEBSITE (URL)	https://oeclass.aua.gr/eclass/		

2. LEARNING OUTCOMES

Learning Outcomes
<p>The aim of the course is:</p> <p>The purpose of the course is to introduce students to the main subjects of animal husbandry, which scientifically support animal production. Animal husbandry is a complex science using knowledge and methods of various other sciences.</p> <p>It analyzes issues related to the socio-economic importance of livestock production, lists data on the origin and habitat of farm animals and describes the main breeds of farm animals. It also examines the basic principles of physiology of animal development, breeding and lactation. Finally, it presents the basic aquaculture principles and the main phases of the aquaculture production process.</p> <p>Upon successful completion of the course, the student will be able to:</p> <ul style="list-style-type: none"> • Distinguishes the basic principles of animal husbandry • Understands the basic "tools" for dealing with theoretical and practical problems that arise in the modern business environment • Identify problems and propose alternative solutions related to the actions of planning, organization, management, and control of enterprises. • Distinguishes the main axes of the subject of modern management and its affinities with related scientific disciplines as well as the the characteristics of the Manager of the future. • Understand the importance and the way of operation of the examined public and private organizations
General Competences
<p>Adapting to new situations</p> <p>Decision-making</p> <p>Working independently</p> <p>Teamwork</p>

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas Teamwork

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional, and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

3. SYLLABUS

1. Social & Economic Significance of Animal Production
2. Origin and domestication of farm animals
3. Cattle Husbandry
4. Sheep and Goats Husbandry
5. Swine Husbandry
6. Poultry
7. Aquaculture
8. Population & quantitative genetics on farm animals
9. Development of bone, skeletal muscle and adipose tissue of farm animals
10. Methods of estimating body composition, changes in body composition over time.
11. Breeding of farm animals
12. Milk production of farm animals
13. Animal Production and the Environment

A combination of teaching and learning methods will be used, aiming at the active participation of the students and the practical application of the thematic units under examination; there will also be lectures using audiovisual media, discussions, and analyses of case studies on real business issues, experiential (group) activities, as well as projections of relevant videos. The students will also undertake an individual or group project. Furthermore, articles, audiovisual lecture materials, web links/addresses, useful information, case studies and exercises for further practice are posted in digital form on the AUA Open e-Class platform.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face -to-face, Distance learning
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY	<ul style="list-style-type: none"> • Support of the learning process through the University's AUA Open eClass platform (integrated e-Course Management System) • Support of lectures using presentation software • Use of audiovisual material • Use of web applications <p>Communication with students: face to face at office hours, email, eclass platform</p>

TEACHING METHODS	<i>Activity</i>	<i>Workload</i>
	Lectures (direct)	65
	<i>Writing paper/ papers</i>	28
	<i>Independent Study</i>	30
	<i>Advisory support</i>	0,5
	<i>Exams</i>	2
	<i>Course Total (Approximately 25 hours of workload per credit unit 125.5)</i>	125,5 h
STUDENT PERFORMANCE EVALUATION	<p>The evaluation process is in the language that the course is taught (Greek or English) and consists of:</p> <ol style="list-style-type: none"> i. Compulsory written final examination at the end of the semester (weighting factor 70% at least) which may includes: <ul style="list-style-type: none"> • Multiple choice questionnaires • Open-ended questions • Problem solving • Oral examination <p>Evaluation criteria: correctness, completeness, clarity</p> ii. Optional written exam or essay during the semester (weighting factor 30%) which may includes: <ul style="list-style-type: none"> • Multiple choice questionnaires • Open-ended questions • Problem solving • Essay/report • Oral examination <p>Evaluation criteria: correctness, completeness, clarity</p> <p>Special learning difficulties:</p> <p>Students with special learning difficulties in writing and reading (as they are certified and characterized by a competent body) are examined based on the procedure provided by the Department.</p> <p>Specifically-Defined Criteria:</p> <p>The evaluation criteria are made known during the first lesson and are clearly stated on the course website and the AUA Open e-class platform. The answers to the exam questions are posted on the AUA Open e-Class platform after the exam. The students are allowed to see their exam paper after its grading (during the announced office hours) and receive explanations about the grade they received.</p>	

5. ATTACHED BIBLIOGRAPHY

Suggested Bibliography in Greek Language:

- Ρογδάκης Εμμ. (2006) «Γενική Ζωοτεχνία», εκδόσεις Αθ. Σταμούλης
- Σημειώσεις για το μάθημα «Ζωοτεχνία» Υδατοκαλλιέργειες Ναυτικά Καρακατσούλη Αναπληρώτρια Καθηγήτρια Τμήμα ΕΖΠΥ
- Γιαννακόπουλος Α και Τσερβένη-Γούση Α. (2009): «Ορνιθοτροφία β' έκδοση», εκδόσεις Σύγχρονη Παιδεία.
- Ζυγογιάννης Δ. (2006): Προβατοτροφία, Εκτροφή μηρυκαστικών (τεύχος Α), εκδ. Σύγχρονη Παιδεία, Θεσσαλονίκη.
- Κγριαζακίς Η εκτροφή του παχυνόμενου χοιριδίου
- Κατσαούνης Ν. (1994): Προβατοτροφία, Εκδ. οίκος αδελφών Κυριακίδη, Θεσσαλονίκη.

Suggested Bibliography in English Language:

- FAO. 2009. The State Of Food And Agriculture 2009 – Livestock in the balance
- Whittemore's Science and Practice of Pig Production, 3rd Edition, C. Whittemore and I.

Related academic Journals:

- Animal
- Livestock Production Science
- Small Ruminant Research
- Animals
- Poultry science
- Livestock Science
- Επιθεώρηση Ζωοτεχνικής Επιστήμης

Instructor's Notes