

COURSE OUTLINE

(1) GENERAL

SCHOOL	SCHOOL OF AGRICULTURAL SCIENCES		
ACADEMIC UNIT	BIOSYSTEMS AND AGRICULTURAL ENGINEERING		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	BAE_530	SEMESTER	5th
COURSE TITLE	ZOOTECHNICS		
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
Lectures		3	
Laboratory classes		2	
TOTAL		5	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special Background		
PREREQUISITE COURSES:	There are no prerequisite courses.		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)			

(2) LEARNING OUTCOMES

<p>Learning outcomes</p> <p><i>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.</i></p> <p>Consult Appendix A</p> <ul style="list-style-type: none"> • Description of the level of learning outcomes for each qualifications cycle, according to the <i>Qualifications Framework of the European Higher Education Area</i> • Descriptors for Levels 6, 7 & 8 of the <i>European Qualifications Framework for Lifelong Learning and Appendix B</i> • Guidelines for writing <i>Learning Outcomes</i> 		
<p>This course outcome is to familiarize students with the basic elements of zootechnics.</p> <p>In particular, after the successful completion of this course the student should be in position to understand and apply:</p> <p>α) Elements on the biological basis of animal yield.</p> <p>β) Methods of creating genotypes that are responding positively to certain environments.</p> <p>γ) Applications that ensure the existence of optimal living conditions for the animals to be in position to develop their genetic potential.</p> <p>δ) Methods of organizing of productive systems to manufacture animal products to gain the maximum profit, taking into account the best husbandry conditions for the animals as well as the environmental protection.</p>		
<p>General Competences</p> <p><i>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?</i></p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top; width: 50%;"> <ul style="list-style-type: none"> Search for, analysis and synthesis of data and information, with the use of the necessary technology Adapting to new situations Decision-making Working independently Team work Working in an international environment Working in an interdisciplinary environment Production of new research ideas </td> <td style="vertical-align: top; width: 50%;"> <ul style="list-style-type: none"> 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 Others... </td> </tr> </table>	<ul style="list-style-type: none"> Search for, analysis and synthesis of data and information, with the use of the necessary technology Adapting to new situations Decision-making Working independently Team work Working in an international environment Working in an interdisciplinary environment Production of new research ideas 	<ul style="list-style-type: none"> 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 Others...
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- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Working independently
- Team work
- Production of new research ideas
- Project planning and management
- Respect for the natural environment

(3) SYLLABUS

The significance of zootechnics
 Basic elements of genetics
 Environmental interactions
 Origin, distribution, taxonomy, and special characteristics of productive animals
 Genetic improvement, Reproductive methods
 Feeding systems
 Barn systems and management
 Zootechnical enterprises

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in teaching, communication with the students	
TEACHING METHODS <i>The manner and methods of teaching are described in detail. 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. 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
	Laboratory studies	26
	Bibliographic work	30
	Non-directed study	27
	Exams	3
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure 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 Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	<ul style="list-style-type: none"> • The main assessment criteria focus on understanding and correlating the knowledge that students gain from the course with other knowledge. Particular emphasis is placed on whether they have developed the ability to apply this knowledge to crop selection and to assess the impact of these changes on the environment. Emphasis is also placed on demonstrating critical ability and justifying the choices they make in each problem. • Evaluation is dynamic. It mainly involves problem solving. is done orally or in writing or with a combination of the two, with or without pre-examination on the basic principles of the course, with or without exculpatory advances and with other test or inventive methods, depending on the composition of the dynamics and the needs of the audience. 	

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| | <ul style="list-style-type: none">• The above are done in the Greek language. For foreign language students (eg Erasmus students) conducted in English |
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(5) ATTACHED BIBLIOGRAPHY

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| <ul style="list-style-type: none">- <i>Suggested bibliography</i>- ΓΕΝΙΚΗ ΖΩΟΤΕΧΝΙΑ, Νικόλαος Κατσαούνης, Δημήτριος Ζυγογιάννης. Εκδόσεις Σύγχρονη Παιδεία, σελ. 230- ΓΕΝΙΚΗ ΖΩΟΤΕΧΝΙΑ, Ρογδάκης Εμμανουήλ. Εκδόσεις Σταμούλης Α.Ε., σελ. 652- ΖΩΟΤΡΟΦΕΣ και ΣΙΤΗΡΕΣΙΑ, Αλέξανδρος Σπαής, Π. Φλώρου-Πανέρη, Ε. Χρηστάκη, Εκδόσεις Σύγχρονη Παιδεία, σελ. 364
- <i>Relevant scientific journals</i> |
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