

General Information	
Academic subject	Basic knowledge of Anatomy, Physiology and Morphology of Livestock (module of the integrated course: General Zootechniques)
Degree course	Agricultural Sciences and Technologies
Curriculum	Rural Systems
ECTS credits	3 ECTS (2 ECTS Lectures + 1 ECTS Laboratory or field classes)
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Angela Gabriella D'Alessandro	angelagabriella.dalessandro@uniba.it	AGR/19

ECTS credits details			
Basic teaching activities			

Class schedule	
Period	First semester
Year	Second year of the degree course
Type of class	Lecture - Laboratory or field classes

Time management	
Hours	75
In-class study hours	30
Out-of-class study hours	45

Academic calendar	
Class begins	2 October 2017
Class ends	26 January 2018

Syllabus	
Prerequisites/requirements	Knowledge of animal biology.
Expected learning outcomes (according to Dublin Descriptors)	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i> <ul style="list-style-type: none"> ○ Comparative knowledge of the anatomical, physiological, morphological and functional aspects, with particular reference to the productive processes, in the main species of livestock. • <i>Applying knowledge and understanding</i> <ul style="list-style-type: none"> ○ Ability to apply in an integrated way the knowledge about the anatomical, physiological, morphological and functional aspects of the main species of livestock, addressed to the production and welfare of the animals. • <i>Making informed judgements and choices</i> <ul style="list-style-type: none"> ○ Ability to analyse and link the knowledge in relation to the different species of livestock. • <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ Ability to communicate the acquired knowledge by connecting the various topics in a logical way and with appropriate terminology. • <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ Ability to acquire the methodology to deepen and update their knowledge, according to a multidisciplinary approach.

	The expected learning outcomes, in terms of know how and skills, are listed in the Attachment A of the Academic Regulation of the Agricultural Science and Technology Degree Program (expressed through the European Describers of the educational qualification).
Contents	<ul style="list-style-type: none"> ○ Basic knowledge on animal tissues (types and functions of epithelial, connective, muscular and nervous tissues). ○ Basic knowledge on comparative anatomy and physiology of the animal apparatuses, with particular reference to the digestive, reproductive and endocrine systems and to the mammary gland. ○ Zoometry: instruments, points and measurements. ○ Morphology of the zoognostic regions (head, trunk, limbs, hudder). ○ Morphological evaluation. ○ Functional evaluations of productive attitudes for milk and meat.
Course program	
Bibliography	<ul style="list-style-type: none"> • Notes of the lectures handed out during the course. • R. Bortolami, E. Callegari, V. Beghelli. Anatomia e Fisiologia degli Animali Domestici, Calderini Editore. • D. Balasini. Zoognostica. Per la conoscenza, la valutazione e la scelta degli animali. Edagricole. <p>Additional reading materials:</p> <ul style="list-style-type: none"> • G. Aguggini, V. Beghelli, L.F. Giulio. Fisiologia degli Animali Domestici con Elementi di Etologia. UTET.
Notes	
Teaching methods	Lectures will be given with the support of PC assisted tools (PowerPoint, Adobe Acrobat, etc.), in depth video showing and technical visits to livestock farms.
Assessment methods	<p>For students enrolled in the academic year in which teaching is carried out, there is a mid-term exam consisting in an oral test. The outcome of this test, if with a positive vote, contributes to the evaluation of the final exam and is valid for one academic year. Students who fail the first mid-term exam must attend the general exam.</p> <p>The exam consists of an oral test related to the subjects on the syllabus covered during the theoretical and theoretical/practical lessons in classroom and production farms, as stated in the Academic Regulation of the Agricultural Science and Technology Degree Program and its relative study plan (Attachment A). The student competence evaluation is based on predefined criteria, as detailed in Attachment A of the Academic Regulation of the Degree Program.</p> <p>Final grade for students taking both mid-term and final exam is determined by the arithmetic average of the two grades.</p>
Evaluation criteria	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i> <ul style="list-style-type: none"> ○ Level of insight in describing the anatomical, physiological and morphological aspects of the main species of livestock.

	<ul style="list-style-type: none"> • <i>Applying knowledge and understanding</i> <ul style="list-style-type: none"> ○ Knowledge level and ability to apply in an integrated way the knowledge about the anatomical, physiological, morphological and functional aspects of the main species of livestock. • <i>Making informed judgements and choices</i> <ul style="list-style-type: none"> ○ Ability to analyse and link the knowledge relative to the different species of livestock. • <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ Effectiveness and clarity in the exposure of the topics. • <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ Methodological approach and logical linkage of the knowledge in the topics discussed.
Official consulting hours	From Monday to Thursday, h 15:00 – 17:00 by appointment.