

General information		
Academic subject	Ecological livestock production systems	
Degree course	Land and Environmental Science and Technology	
Academic Year	2021-2022	
European Credit Transfer and Accumulation System (ECTS)	6	
Language	Italian	
Academic calendar (starting and ending date)	I semester (27/09/21 – 21/01/22)	
Attendance	NO	

Professor/ Lecturer	
Name and Surname	Francesco Vizzarri
E-mail	francesco.vizzarri@uniba.it
Telephone	080 5442842
Department and address	Disaat, ex facoltà Agraria, Il piano, settore Zootecnia
Virtual headquarters	
Tutoring (time and day)	Office hours: on Tuesday-Wednesday-Thursday, from 10,30 a.m to 13,30 a.m.

Syllabus	
Learning Objectives	The course will define the zootechnical systems and deepen the knowledge of the factors of variability of the quantitative and qualitative aspects of the productions of domestic animals and those wildlife-hunting sector. The pedological, morphological, altimetric and climatic characteristics of the various territories characterized by specific trophic and pabular resources will be identified. In relation to the productive vocations of plant species, spontaneous or traditionally cultivated, for each territory will be identified the species and animal breeds most suitable for breeding in relation to systems that promote the permanence in optimal conditions of welfare. It will also provide extensive knowledge on the interaction between the territory and populations of domestic animals and wild ones, useful information for the definition of management plans.
Course prerequisites	Knowledge on biology and chemical
Contents	<ul style="list-style-type: none"> - Animal breeding and environment: consistency and geographical distribution of farms - Animal nutrition: principles of nutrition and fundamentals of nutrition, chemical and nutritional formulation of feed. Principles of animal diet. - Principles of genetics: inheritance of productive traits (milk, meat, eggs). Reproduction methods. Selection and genetic improvement. - Bovine: breeding technologies for milk production. Breeding technologies for meat production. - Pigs: pig breeding technologies. - Sheep and goats: breeding technologies for sheep and goats for the production of milk and meat. - Poultry: breeding technologies for broilers and laying hens. - Qualitative characteristics of livestock production: milk, meat, eggs.

	Wildlife-hunting sector: management principles and livestock breeding techniques. - Ecological and organic farming systems: environmental impact from intensive and extensive farming.
Books and bibliography	<ul style="list-style-type: none"> Balasini D. – Zootecnia Generale. Calderini Edagricole. 2003. Bittante G., Andrighetto I., Ramanzin M. - Fondamenti di Zootechnica: Miglioramento Genetico, Nutrizione e Alimentazione (Liviana Editrice). Borgioli E. - Alimentazione e Nutrizione Animale. Ed. Edagricole. Borgioli E. - Miglioramento genetico degli animali in produzione zootechnica. Ed. Edagricole Casanova P., Capaccioli A., Cellini L. - Appunti di Zoologia Venatoria e Gestione della Selvaggina (Polistampa, Firenze). Parigi Bini R. - Le Razze Bovine- Libreria Editrice Universitaria Patron). Succi G. - Zootecnia Speciale (Clesav).
Additional materials	

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
150	40	20	90
ECTS			
6	4	2	
Teaching strategy			
	The topics of the course will be discuss with the help of Power Point presentations, with the use of technology enhanced or blended learning. In addition, classroom exercises and practical technical lessons in livestock farms.		
Expected learning outcomes			
Knowledge and understanding on:	Knowledge on: - main livestock farming systems for the production of milk, meat, eggs; - quality parameters; - different variability factors of quantitative and qualitative aspects and on high quality production.		
Applying knowledge and understanding on:	Capacity of: - description of quanti-qualitative traits of animal production; - perform a systemic approach to assess the quanti-qualitative aspects of animal production; - identify the structural organization of ecological livestock production systems		
Soft skills	<ul style="list-style-type: none"> Making informed judgments and choices Capacity of: - to correctly orientate the search for suitable solutions to improve the quanti-qualitative characteristics of animal production.		

	<ul style="list-style-type: none"> - correctly adopt suitable tools and procedures to monitor the quanti-qualitative characteristics of animal production. • Communicating knowledge and understanding - ability to correctly describe the procedures and techniques underlying the processes and phenomena that interact in animal production. • Capacities to continue learning <ul style="list-style-type: none"> ○ ability to deepen and update own knowledge on the quanti-qualitative aspects of animal production. <p>The expected learning outcomes, in terms of knowledge and skills, are reported in Annex A of the Study Program Academic Regulations (expressed through the European Descriptors of the degree)</p>
--	---

Assessment and feedback	
Methods of assessment	
Evaluation criteria	<ul style="list-style-type: none"> • Knowledge and understanding • descriptive abilities of the main animal production processes, of the quanti-qualitative aspects of animal productions and variability factors <p>Applying knowledge and understanding</p> <ul style="list-style-type: none"> - adequate capacity for understanding and knowledge on the quantity and quality parameters of animal productions. • Autonomy of judgment - ability to apply the appropriate tools for the improvement of production processes and the quanti-qualitative traits of animal production • Communicating knowledge and understanding - ability and capacity to describe the phenomena, the production processes and the characteristics of foods of animal origin <ul style="list-style-type: none"> • Communication skills - ability and capacity to communicate • Capacities to continue learning - adequate ability to hypothesize innovative approaches for the quanti-qualitative improvement of animal productions
Criteria for assessment and attribution of the final mark	<p>An intermediate test is required for students enrolled in the current year. The intermediate test consists of multiple choice questions and/or open during the classroom lectures, concerning the program carried out up to the date of the test. The intermediate test will be assessed on a scale of thirty. The final exam consists of an oral test on the topics developed during the hours of theoretical and theoretical-practical lectures in the classroom and in the laboratory as reported in the Study Program Academic Regulations in Land and Environmental Science and Technology and in the study plan (Annex A).</p> <p>The assessment of the student's preparation takes place on the basis of pre-established criteria, as detailed in Annex A of in the Study Program Academic Regulations in Land and Environmental Science and Technology.</p> <p>For students who have passed the intermediate test, the evaluation of the final exam is expressed as an average between the mark given to the intermediate test and the final exam.</p>

Stampare su carta intestata del CdS

Additional information	