OVERVIEW OF THE COURSE: Animal housing and environmental impact Module of: Housing, planning and design

Study programme name Precision Livestock Farming.	Course	X Master degree	A.A. 2019/20
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SSD AGR10	CFU 5	Year I	Term I
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Prerequisites: <u>none</u>			
PECTED LEARNING RESULTS/RISU	LTATI DI APPRENDIMENT	O ATTESI	
Knowledge and understanding skill			
Understanding the housing facilities re - Animal environment in the ho		nd welfare:	
 Optimal microenvironmental 	conditions (temperature, hur	midity, and concentrations of gase	s and particulate matter);
Dimension standards for housing, feed - Cattle and Buffalo (including		uired for:	
 Pigs, poultry and sheep. 	illikirig systems),		
Strategies for manure management			
Sensing technology for assessing mice	roclimatic conditions.		
Applied knowledge and understand	ing skills/Conoscenza e ca	apacità di comprensione applic	ate
How to ensure animal welfare by contrasystem level. Dimensioning different p			ne energy balance at housing
Any further learning outcomes expe	ected in relation to/Eventua		mento attesi, relativamente a
Autonomy of judgment/A The student must know the		ollow the advancements in livesto	ck housing
 Communication skills/A 	bilità comunicative:		
		n number of total heads for each s	species studied. Dimensioning
	em, composed by multiple ur a di apprendimento: Dimer	nsioning of livestock housing an	d facilities with spreadsheet
	outs with computer-aided		- · · · · · · · · · · · · · · · · · · ·
1.2. Microenvironmental 1.3. Air conditioning 1.4. The basics of the re 1.5. Housing, feedlots, a 1.5.1. Cattles 1.5.2. Buffalos 1.5.3. Milking sys 1.5.4. Pigs 1.5.5. Poultry 1.5.6. Sheep 1.5.7. Integrated	gulatory process nd exercise areas tems production systems anagement and treatment sti		es and particulate matter)
COURSE MATERIAL			
Lecture notes provided during the c	ourse.		
TARGET AND MODALITY AIMED TO a) Learning results to be verified/Rise The student must be able to solve a live	ultati di apprendimento ch	e si intende verificare:	ng the course
o) Assessment method/Modalità di e		or any type or species treated duff	ng me course.
Examination includes	Written test and oral	Written test	X Oral X
Project report discussion			Х
Other procedures (specify)			
	Ballioto 1		
Written test - questions ask for (*)	Multiple answers	Free answers	Numerical exercises x