

General information	
Academic subject	HEALTHCARE MANAGEMENT OF POULTRY AND RABBIT FARMS AND WILDLIFE Module of the course: Biosafety and Health Management
Degree course	Animal Science
Academic Year	2021/2022
European Credit Transfer and Accumulation System (ECTS)	5
Language	Italian
Academic calendar (starting and ending date)	I Semester
Attendance	Mandatory

Professor/ Lecturer	
Name and Surname	Elena Circella
E-mail	elena.circella@uniba.it
Telephone	+39 080 5443829
Department and address	Veterinary Medicine Campus – Valenzano (BA)
Virtual headquarters	Microsoft Teams cod. tr72snz
Tutoring (time and day)	Tuesday: 12.30 - 13.30; 15.00 - 16.00; Wednesday: 12.30 - 13.30; 15.00 - 16.00; Friday: 12.30 - 13.30; In Department or via Teams

Syllabus	
Learning Objectives	The training objectives of the course are represented by the achievement of a knowledge of the fundamental elements for the hygienic-sanitary management and the prophylaxis to be applied in poultry farms and for wild species
Course prerequisites	The student must have acquired basic knowledge about the management of poultry and rabbit farms. To take the exam, it is necessary to have successfully passed the exams of General Pathology and Pathophysiology and Parasitology, Mycology and Management of synanthropic animals
Contents	Hygienic-sanitary management of the industrial poultry hatchery. Selection of hatching eggs. Methods of disinfection and inactivation of infectious agents on the surface of the shell and inside the hatching eggs (dipping). Hygienic-sanitary management of the broiler chicken and litter breeding. Main hygienic-sanitary problems related to the different methods of rearing the laying hen, on the ground, in avian, in enriched batteries. Main vaccination methods in poultry farming: ocular-nasal, in drinking water, for aerosol and spray, for wing puncture, follicular, parenteral, egg. Main conditioned poultry diseases (colibacillosis, mycoplasmosis, deep pectoral disease, ascites syndrome, rupture of the gastrocnemius tendon, malabsorption syndrome). Biosecurity in poultry and rabbit farming. Disinfections and "All full - all empty" system. Vaccinations in rabbit breeding: Rabbit Haemorrhagic Disease (RHD), myxomatosis and stabulogenic vaccines. Predisposing factors and prevention of the main conditioned diseases in rabbit breeding: respiratory and enteric syndrome. General concepts about wildlife management. Correct management of the main raised species of wildlife. The main allochthonous species and the technical and sanitary problems related to their spread on the territory
Books and bibliography	Books: Cerolini S., Marzoni Fecia di Cossato M., Romboli I., Schiavone A., Zamboni L.: Avicoltura e Conigliicoltura. Le Point Veterinaire Italie Ed.2008 Asdrubali G., Fioretti A.: Manuale di Patologia Aviaria. Le Point Veterinaire Italie Ed. 2009

	Simonetta A.M. e Dessi-Fulgheri F. Principi e tecniche di gestione faunistico-venatoria – Greentime Spa, Bologna - 1998
Additional materials	Lecture notes are recommended

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
125	40	25 (Exercises will be repeated in turns of about 10 students, on the bases of the total number of students)	60
ECTS			
5	4	1	
Teaching strategy		Lessons are held using a personal computer connected to the projector in order to show, at the same time as the explanation, power point slides and explanatory videos. For practical lessons, seminars will be held on specialist topics. Moreover, exercises will take place, using carcasses of broilers, laying hens and rabbits, in order to introduce the students to the main types of animals bred in the poultry and rabbit sector and allow them to learn the basic practical notions (recognition and collection of organ samples for laboratory investigations for preventive and diagnostic purposes) expected by a technical figure in the poultry and rabbit sector	
Expected learning outcomes			
Knowledge and understanding on:		<p>The expected learning outcomes are:</p> <ul style="list-style-type: none"> ○ Knowledges of the correct and hygienic management of different farms: poultry, rabbit, and game ○ Knowledges of the different methods used to vaccinate poultry and rabbits 	
Applying knowledge and understanding on:		<ul style="list-style-type: none"> ○ Capability to identify the preventive methods more useful against pathogens frequently responsible for diseases in poultry, rabbit, and game farms 	
Soft skills		<ul style="list-style-type: none"> • <i>Making informed judgments and choices</i> <ul style="list-style-type: none"> ○ At the end of the course, the student should acquire the ability to recognize the most important steps for poultry, rabbit, and wildlife management and to express his own opinion about these topics • <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ The student should acquire knowledges and technical terminology to be able to correctly communicate with technicians and practitioners • <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ The student should acquire the capability to improve his knowledge through further autonomous studies, more advanced courses of study and periods of training 	

Assessment and feedback	
Methods of assessment	The skills acquired will be assessed during the course through questions and preparation of ppt presentations on topics related to the course. At the end of the course, the student should be able to:
Evaluation criteria	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i> <ul style="list-style-type: none"> ○ Know the correct management of poultry, rabbit and wildlife • <i>Applying knowledge and understanding</i>

	<ul style="list-style-type: none"> ○ Recognise the main problems and diseases related to incorrect management ● <i>Autonomy of judgment</i> ○ Be able to express own opinion autonomously ● <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ Be able to clearly explain the main topics discussed during the course ● <i>Communication skills</i> <ul style="list-style-type: none"> ○ Be able to discuss about poultry, rabbit and wildlife management with other technicians ● <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ To improve his knowledge of the topics through advanced courses and training periods
Criteria for assessment and attribution of the final mark	The assessment of the learning achieved by the student is carried out by means of a written examination consisting of multiple-choice questions and a supplementary open-ended part, with the aim of ascertaining the degree of knowledge on the proposed topics. The final mark is expressed in thirtieths. The minimal final mark to pass the exam is 18/30. The highest marks will be awarded to the students able to use the correct scientific terminology and with good explanation skills.
Additional information	--