

<b>General information</b>	
Academic subject	<b>HEALTHCARE MANAGEMENT OF POULTRY AND RABBIT FARMS AND WILDLIFE</b> (integrated exam of BIOSAFETY AND HEALTH MANAGEMENT)
Degree course	Animal Science
Academic Year	2022/2023 - III year
European Credit Transfer and Accumulation System (ECTS)	5 (4+1)
Language	Italian
Academic calendar (starting and ending date)	I semester
Attendance	Compulsory

<b>Professor/ Lecturer</b>	
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Department and address	Campus of Veterinary Medicine, S.P. 62 to Casamassima km 3, 70010 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

<b>Syllabus</b>	
<b>Learning Objectives</b>	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
<b>Course prerequisites</b>	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
<b>Contents</b>	Hygienic-sanitary management of the industrial poultry hatchery. Selection of hatching eggs and methods of disinfection on the surface of the shell and inside the hatching eggs (dipping). Hygienic-sanitary management of the broiler chicken and litter breeding. Different methods of rearing the laying hen (on litter, in aviary, in enriched cages) and relationship with hygienic-sanitary problems. Main vaccination methods in poultry farming: oculo-nasal, in drinking water, for aerosol and spray, for wing puncture, follicular, parenteral, in ovo. Main conditioned poultry diseases (colibacillosis, mycoplasmosis, deep pectoral disease, sudden death syndrome, ascites syndrome, malabsorption syndrome). Biosecurity in poultry and rabbit farming. Disinfections and "All full - all empty" system. Vaccines in rabbit farming: Rabbit Haemorrhagic Disease (RHD), myxomatosis and stabulogenic vaccines. Predisposing factors and prevention of the main conditioned diseases in rabbit breeding: respiratory, enteric and reproductive syndromes. General concepts about wildlife management. Correct management of the main raised species of wildlife. The main allochthonous species and the issues related to their spread on the land.
<b>Books and bibliography</b>	Books: Cerolini S., Marzoni Fecia di Cossato M., Romboli I., Schiavone A., Zamboni L.: Avicoltura e Coniglicoltura. Le Point Veterinaire Italie Ed.2008 Asdrubali G., Fioretti A.: Manuale di Patologia Aviare. Le Point Veterinaire Italie Ed.



	2009 Simonetta A.M. e Dessì-Fulgheri F. Principi e tecniche di gestione faunistico-venatoria – Greentime Spa, Bologna - 1998
<b>Additional materials</b>	Lecture notes are recommended

<b>Work schedule</b>			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
<b>Hours</b>			
<b>125</b>	<b>40</b>	<b>25</b>	<b>60</b>
<b>ECTS</b>			
<b>5</b>	<b>4</b>	<b>1</b>	
<b>Teaching strategy</b>	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		
<b>Expected learning outcomes</b>			
<b>Knowledge and understanding on:</b>	<p>The expected learning outcomes are:</p> <ul style="list-style-type: none"> <li>○ Knowledges of the correct and hygienic management of different farms: poultry, rabbit, and game</li> <li>○ Knowledges of the different methods used to vaccinate poultry and rabbits</li> </ul>		
<b>Applying knowledge and understanding on:</b>	Capability to identify the preventive methods more useful against pathogens frequently responsible for diseases in poultry, rabbit, and game farms		
<b>Soft skills</b>	<ul style="list-style-type: none"> <li>• <i>Making informed judgments and choices</i> <ul style="list-style-type: none"> <li>○ 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</li> </ul> </li> <li>• <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> <li>○ The student should acquire knowledges and technical terminology to be able to correctly communicate with technicians and practitioners</li> </ul> </li> <li>• <i>Capacities to continue learning</i> <ul style="list-style-type: none"> <li>○ The student should acquire the capability to improve his knowledge through further autonomous studies, more advanced courses of study and periods of training</li> </ul> </li> </ul>		

<b>Assessment and feedback</b>	
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"> <li>• <i>Knowledge and understanding</i> <ul style="list-style-type: none"> <li>○ Know the correct management of poultry, rabbit and wildlife</li> </ul> </li> <li>• <i>Applying knowledge and understanding</i> <ul style="list-style-type: none"> <li>○ Recognise the main problems and diseases related to incorrect management</li> </ul> </li> </ul>



	<ul style="list-style-type: none"><li>• <i>Autonomy of judgment</i><ul style="list-style-type: none"><li>○ Be able to express own opinion autonomously</li></ul></li><li>• <i>Communicating knowledge and understanding</i><ul style="list-style-type: none"><li>○ Be able to clearly explain the main topics discussed during the course</li></ul></li><li>• <i>Communication skills</i><ul style="list-style-type: none"><li>○ Be able to discuss about poultry, rabbit and wildlife management with other technicians</li></ul></li><li>• <i>Capacities to continue learning</i><ul style="list-style-type: none"><li>○ To improve his knowledge of the topics through advanced courses and training periods</li></ul></li></ul>
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.
<b>Additional information</b>	
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