

ACADEMIC YEAR 2023/2024

General information	
Academic subject	PREVENTION OF INFECTIOUS DISEASES OF WILDLIFE Integrated exam of PREVENTION OF INFECTIOUS AND PARASITIC DISEASES IN WILDLIFE
Degree course	Animal Science L38
Academic Year	III year
European Credit Transfer and Accumulation System (ECTS)	3
Language	Italian
Academic calendar (starting and ending date)	II Semester: 26/02/2024 - 14/06/2024
Attendance	Mandatory

Professor/ Lecturer	
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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 platform if necessary (Teams Code: sxjqr06)
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

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 correct approach to wild animals and their containment. To take the exam, it is necessary to have successfully passed the exams of Biosafety and Health Management and Pathophysiology and Parasitology, Mycology and Management of synanthropic animals
Contents	Risks of infection and ways of spreading and propagating infectious diseases in wild birds in natural environments and wildlife recovery centres. Preventive measures against the main viral infections of wildlife: Newcastle Disease, avian influenza, smallpox, parvovirus infection, canine distemper, West Nile disease, European Brown Hare Syndrome (EBHS). Preventive measures against the main bacterial diseases: avian cholera, salmonellosis. Preventive measures against botulism
Books and bibliography	Simonetta A.M. e Dessì-Fulgheri F. Principi e tecniche di gestione faunistico-venatoria – Greentime Spa, Bologna - 1998 Thomas N.J., Hunter D.B., Atkinson C.T. Infectious diseases of wild birds -Blackwell Publishing Ltd, Oxford, UK, 2007
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
75	16	10	49

ECTS			
3	2	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. Exercises will take place at the Osservatorio faunistico Regionale (OFR) and will be targeted to the recognition of the different wildlife species and the individuation of the more suitable preventive measures against infectious diseases. Moreover, the students will learn some practical notions in the autopsy room: autoptic techniques, recognition and collection of organ samples for monitoring and preventive and diagnostic purposes.	
Expected learning outcomes			
Knowledge and understanding on:		The expected learning outcomes are: <ul style="list-style-type: none"> ○ Knowledges of the most important infectious diseases of wildlife ○ Knowledges of the most important measures to be taken to prevent the spread of infectious diseases in wildlife rescue centres 	
Applying knowledge and understanding on:		<ul style="list-style-type: none"> ○ Knowledges of the modality of sampling in wild animals ○ Knowledges of the main monitoring programs adopted in wildlife 	
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 infectious diseases of wildlife and to express his own opinion about possible preventive measures • <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 into wildlife rescue centres 	
Assessment and feedback			
Methods of assessment		Knowledge is verified through an oral test on the topics of the program. The skills acquired will be also 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 major infectious diseases of wildlife • <i>Applying knowledge and understanding</i> <ul style="list-style-type: none"> ○ Know the main methods to prevent the spread of infectious diseases among the wildlife • <i>Autonomy of judgment</i> <ul style="list-style-type: none"> ○ 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 the prevention of infectious diseases in wildlife 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 takes place through oral interview, 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	