

<b>Academic subject:</b> Prevention of infectious diseases of wildlife			
<b>Degree Class:</b> L-38		<b>Degree Course:</b> Animal Science	
		<b>Academic Year:</b> 2020/2021	
		<b>Kind of class:</b> Optional	
		<b>Year:</b> III	<b>Period:</b> II Semester
		<b>ECTS:</b> 3 divided into <b>ECTS lessons:</b> 2 <b>ECTS</b> <b>exe/lab/tutor:</b> 1	
<b>Time management, hours, in-class study hours, out-of-class study hours</b> lesson: 20    exe/lab/tutor: 25    in-class study: 0    out-of-class study: 30			
<b>Language:</b> Italian		<b>Compulsory Attendance:</b> Yes	
<b>Subject Teacher:</b> Elena Circella		<b>Tel:</b> +390805443829 – +390805443910 <b>Fax</b> +390805443910 <b>e-mail:</b> elena.circella@uniba.it	
		<b>Office:</b> Department of Veterinary Medicine Avian Diseases Unit Room          Floor	
		<b>Office days and hours:</b> <b>Tuesday:</b> 12:30am-1:30pm; 3:00pm-4:00pm <b>Wednesday:</b> 12:30am- 1:30pm; 3:00pm-4:00pm <b>Friday:</b> 12:30am-1:30pm	
<b>Prerequisites:</b> The student must have acquired basic theoretical and practical knowledge to approach wild species and the main management measures aimed at preventing and containing the spread of the main infectious diseases of wild species. To take the exam, it is necessary to have successfully passed the Biosafety and Health Management exam.			
<b>Educational objectives:</b> The course objectives are represented by the achievement of a knowledge of the main infectious diseases affecting wild species and the ways of infection prevention.			
<b>Expected learning outcomes (according to Dublin Descriptors)</b>		<p><b>Knowledge and understanding:</b> The student must acquire basic knowledge of the main infectious diseases affecting wild species and the prevention methods to be adopted to avoid their contagion and spread.</p> <p><b>Applying knowledge and understanding:</b> At the end of the course, the student should have acquired skills to recognise the main clinical symptoms associated with the most important infectious diseases that can occur in wildlife, to have a correct preventive approach.</p> <p><b>Making judgements:</b> At the end of the course, the student should be able to express his opinions in working groups and to make autonomous decisions.</p> <p><b>Communication:</b> Following the lessons of the course and studying the books, the student should learn the technical terminology to be able to correctly communicate with technicians and practitioners.</p> <p><b>Lifelong learning skills:</b> At the end of the course, the student should acquire the capability to improve his knowledge through further autonomous studies, more advanced courses of study and periods of training on wildlife rescue centres.</p>	
<b>Course program:</b> General concepts of infection and disease. Risks of infection and ways of spreading and propagating infectious diseases in wild birds in natural environments and at fauna observatories and wildlife recovery centres. Preventive measures against the main viral infections of avifauna and terrestrial wildlife: Newcastle disease, avian influenza, smallpox, rabies, canine distemper, West Nile disease, Haemorrhagic Lagovirus diseases in European hare and wild rabbit. Preventive measures against the main bacterial diseases: avian cholera, chlamydiosis, mycoplasmosis, colibacillosis, tuberculosis, paratuberculosis, salmonellosis, Lyme disease, tularaemia. Preventive measures against biotoxin diseases: avian botulism			
<b>Teaching methods:</b> Theoretical lessons are held in the classroom, using a personal computer connected to the projector, to show, at the same time as the explanation, power point slides and explanatory videos. In the necropsy room, students will have the opportunity to learn some practical notions: autopsy techniques, organ recognition and biological sampling for preventive and diagnostic laboratory investigations. At the Regional Fauna Observatory (OFR), the exercises will be aimed at recognising the different wild species and identifying the most suitable prophylactic interventions according to the species.			

**Auxiliary teaching:** White lab coat, disposable gloves, disposable footwear, anatomical scissors and pliers

**Assessment methods:** The evaluation of the learning achieved takes place by means of a written examination consisting of multiple-choice and supplementary open-ended questions or, if the student prefers, by means of an oral interview, with the aim of ascertaining, on the basis of the topics proposed to the student, the degree of mastery of the topics themselves and of the technical-scientific terminology acquired during the course.

**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

Lesson notes