

<b>Academic subject:</b> Wild birds management and rescue techniques			
<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> Second 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> Antonio Camarda		<b>Tel:</b> 0804679910 <b>e-mail:</b> antonio.camarda@uniba.it	
		<b>Office:</b> Department of Veterinary Medicine	
		<b>Room Floor</b>	
		<b>Office days and hours:</b> Monday, Wednesday, Friday: 12:00am -1:30pm  Tuesday, Thursday: 4:00-5:00 pm	
<b>Prerequisites: Biosecurity and health management</b> The student who approaches the discipline must have knowledge of Food and Nutrition, Microbiology, General Pathology and Farming techniques.			
<b>Educational objectives:</b> The course aims to introduce students to the managing techniques of protected and non-protected wild birds species when admitted to the Wildlife Rescue Centers, in order to properly release them in suitable areas. During the course, information on the identification of the main migratory and non migratory bird species living in the area and on the behavioral attitudes of most of them will be provided. It will also be discussed the most suitable approach to ensure an effective rescue. Finally, the course will provide knowledge about the recovery techniques of wild birds in need conferred in the regional rescue centers, but also provide knowledge about the programs and techniques of restocking and reintroduction of wildlife, and the related legislation in force			
<b>Expected learning outcomes (according to Dublin Descriptors)</b>		<p><b>Knowledge and understanding:</b> Basic knowledge to overcome the management issues of protected and non-protected wild birds in rescue centers.</p> <p><b>Applying knowledge and understanding:</b> Identification of the species of interest for the reintroduction or the release in the wild and knowledge of the strategies to allow survival in captivity.</p> <p><b>Making judgements:</b> The student, basing on the knowledges achieved, will be able to manage the first aid of wild birds.</p> <p><b>Communication:</b> The student will identify the different birds species and/or the issues related and will cooperate with the Vet in charge in relations to the interventions to be carried out.</p> <p><b>Lifelong learning skills:</b> The achieved knowledges will be the starting point for further studies, attending more specialized courses or having stages in wild birds rescue centers.</p>	
<b>Course program</b>			
Learning outcomes of the Course; Placement of the course within the training of the student in the Animal Sciences Degree			

Aims of the Course, criteria adopted for the student's evaluation; minimum knowledge, skills and abilities to be achieved.

Wildlife Rescue Centers: Tasks, purposes and structural requirements.

National and European legislation to apply in the rescue centers and for wild birds.

Resident and migratory wild birds. Identification of wild birds and biological characteristics

First aid of wild birds.

Handling and restraint of wild birds

Birds of prey feed and feeding techniques ;

Waterbirds nutrition and food administration techniques;

Passerines feed and feeding techniques;

Swallows, swifts and house martins feed and feeding techniques;(Training)

Chick imprinting and methods to avoid it;

The Hacking technique.

Alien species and their management

### **Teaching methods:**

The lectures are held in classrooms equipped with multimedia tools such as PC, projector, internet connection, using power point slides. Practical exercises are carried out at the Wildlife Rescue Center which is part of the Osservatorio Faunistico Regionale della Puglia and at the necropsy room of the Avian Pathology Unit, properly equipped for wild birds.

Students are divided into groups of up to 10 people and are supervised by the course owner and his assistants. Each student carries out the activities individually and discusses the correct approach to wild birds with the teacher or assistants, according to species, age, size and health status.

During the course, self-assessment questionnaires are provided to verify the learning status. Self teaching sessions are planned and some lesson topics will be explored and presented by groups of students

### **Auxiliary teaching**

Students must be equipped with a White Coat, Disposable Gloves, Surgical Mask or FFP2 Mask, Rubber Boots, Soft and Sturdy Leather Gloves (e.g. welder's gloves).

### **Assessment methods:**

Theoretical exam. The student must demonstrate to know the proper approach to the different situations that may occur in a Wild Bird Rescue Center, firstly identifying the species of birds showed and describing the correct management methods to apply.

A cascade scheme will be adopted for the assessment of learning; finally, the ability to address and solve the question posed on the basis of the knowledge and skills acquired during the course will be examined.

### **Bibliography:**

Lecture notes provided by the teacher.

BSAVA: Manual of Raptors Pigeons and passerine birds; Chitty, Lierz Eds 2016

BSAVA: Manual of wildlife casualties Mullineaux and Keeble Eds 2016