

| General information | |
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| Academic subject | WILD BIRDS MANAGEMENT AND RESCUE TECHNIQUES (integrated exam of WILDLIFE MANAGEMENT AND RESCUE METHODS FOR AVIAN AND TERRESTRIAL WILD SPECIES) |
| Degree course | Animal Sciences |
| Academic Year | 2022/2023 - III year |
| European Credit Transfer and Accumulation System (ECTS) | 3 (2+1) |
| Language | Italian |
| Academic calendar (starting and ending date) | II Semester |
| Attendance | Mandatory |

| Professor/ Lecturer | |
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| Name and Surname | Antonio Camarda |
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| Department and address | Campus of Veterinary Medicine, S.P. 62 to Casamassima km 3, 70010 Valenzano (Ba) |
| Virtual headquarters | Corso di Tecniche di gestione e recupero dell'avifauna. TEAMS Code: 21nhtet |
| Tutoring (time and day) | Monday, Wednesday, Friday: 12.00-13.30 Tuesday, Thursday: 16.00-17.00 Tutoring in presence or on line by Microsoft TEAMS |

| Syllabus | |
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| Learning Objectives | 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 |
| Course prerequisites | The student who approaches the discipline must have knowledge of Food and Nutrition, Microbiology, General Pathology and Farming techniques and of Biosafety and health management |
| Contents | 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 |



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| | 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 |
| Books and bibliography | BSAVA: Manual of Raptors Pigeons and passerine birds; Chitty, Lierz Eds 2016 BSAVA: Manual of wildlife casualties Mullineaux and Keeble Eds 2016 |
| Additional materials | <i>Lecture notes are recommended</i> |

| Work schedule | | | |
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| Total | Lectures | Hands on (Laboratory, working groups, seminars, field trips) | Out-of-class study hours/ Self-study hours |
| Hours | | | |
| 75 | 20 | 25 | 30 |
| ECTS | | | |
| 3 | 2 | 1 | |
| Teaching strategy | <p>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.</p> <p>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.</p> <p>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</p> | | |
| Expected learning outcomes | | | |
| Knowledge and understanding on: | <ul style="list-style-type: none"> ○ Wildlife regulation on wildlife in Italy. Basic knowledges ○ To address and overcome problems related to a management of protected and non-protected wild birds. Strategies of reintroduction and repopulation | | |
| Applying knowledge and understanding on: | <ul style="list-style-type: none"> ○ Application of a proper wild birds hospitalization and management strategies in relation to the different circumstances | | |
| Soft skills | <ul style="list-style-type: none"> ● <i>Making informed judgments and choices</i> <ul style="list-style-type: none"> ○ The student must be able to assess the severity of the different situations and to take action autonomously to solve unexpected challenges ○ The student should be able, in case of need, to adapt and modulate his intervention ● <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ The student must be able to transmit correctly to the working group and external people opinions and strategies adopted and to defend their motivations | | |



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| | <ul style="list-style-type: none"> • <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ The student must be able to improve their skills by planning a technical-practical training, accessing databases or magazine and attending Courses or Congresses |
| Assessment and feedback | |
| Methods of assessment | 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. |
| Evaluation criteria | <ul style="list-style-type: none"> • <i>Knowledge and understanding</i> <ul style="list-style-type: none"> ○ Application of an appropriate method of management of wild birds • <i>Applying knowledge and understanding</i> <ul style="list-style-type: none"> ○ Ability to address and solve the questions posed on the basis of the knowledge and skills acquired during the course • <i>Autonomy of judgment</i> <ul style="list-style-type: none"> ○ <i>Ability to express one's opinion and the associated reasons for the strategy to be adopted in relation to the proposed issues</i> • <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ <i>Ability to express and communicate the motivations that lead the student to apply a specific type of intervention</i> • <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ Ability to propose a deepening path supported by plausible reasons |
| Criteria for assessment and attribution of the final mark | 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. The evaluation will be expressed in thirtieths (minimum eighteen, maximum thirty). The final score is expressed as the calculated |
| Additional information | |
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