SCUOLA DI SCIENZE AGRARIE, FORESTALI, ALIMENTARI ED AMBIENTALI

COURSE: Rearing and management of game and of wildlife	
ACADEMIC YEAR: 2019-2020	
TEACHER: Prof. Pierangelo Freschi	
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phone: 0971/205077	cell. di servizio (facoltativo):
Language Italian	

ETC: 12 (10L + 2E)	n. of hours: 112 (80L + 32E)	Campus: Potenza Dept./School: School of Agriculture, Forest, Food and Environmental Sciences Program: LM in Forestry and Environmental Sciences	Term: 1st and 2nd semester

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The aim of the course is to give basic knowledge on rearing and on sustainable management of wildlife populations. At the end of the course students should have acquired skills related to environmental improvements, censuses and restocking. Moreover, students will gain the ability to implement and evaluate wildlife management programs for captive and free-ranging wildlife.

- **Knowledge and understanding**: knowledge and understanding of the principal techniques of rearing and of management of the most interesting wildlife species in their environment and in captivity, and of the habitat complexity (α e β diversity).
- **Applying Knowledge and understanding**: Planning, in different environmental contexts, of rearings aimed at the production of game or at the reintroduction of endagered species.
- **Making judgements**: Ability to apply the acquired knowledge to the breeding and management of species of greater faunistic and/or hunting interest. Ability to identify and ponder the main criticalities in the management of individual species (predatory control, trophic resources, biological and agroforestal density, strays, poaching).
- **Communication skills:** ability to organize in a logical way and to communicate, using an appropriate and correct language the acquired knowledge.
- **Learning skills**: ability to collect and organize in a functional way the information coming from class lectures, suggested books, and literature data.

PRE-REQUIREMENTS

- LT (3-year degree)

SYLLABUS (**units in bold**)

Morphophysiology 1 (8h L)
Basics of histology, anatomy and physiology of the skeletal, muscular and digestive system in mammals and birds
Morphophysiology 2 (8h L)
Anatomy and physiology of reproductive and tegumentary apparatus in mammals and birds.
Biology of Leporids (8h L)
Biology, distribution and consistency of leporids in Italy: European hare (*Lepus europaeus*), Italic hare (*L. corsicanus*), Variable hare (*L. timidus*), and Sardinian hare (*L. capensis mediterraneus*), Wild Rabbit (*Oryctolagus cuniculus*) and Silvilago (*Sylvilagus floridanus*).
Rearing and Management of Leporids (8h L)
Rearing and management of European and of Italic hare.

Wild boar (8h L)
Biology, distribution and consistency of the Wild boar (*Sus scrofa ferus*) in Italy. Techniques of rearing and wildlife Management.
Roe deer (8h L)
Biology, distribution and consistency of the european Roe deer (*Capreolus capreolus*) and of the italian subspecies (*C. capreolus italicus*). Wildlife Management.
Deer (8h L)
Biology, distribution and consistency of Deer in Italy (*Cervus elaphus hippelaphus*) and of the sardinian subspecies (*C. elaphus corsicanus*). Wildlife Management.
Phasianids (8h L)
Rearing of Phasianids (*Phasianus colchicus*, *Alectoris* spp., *Coturnix coturnix*). Wildlife Management.
Other species (8h L)
Biology of: Wolf (*Canis lupus*), Fox (*Vulpes vulpes*), Nutria (*Myocastor coypus*), Grey squirrel (*Sciurus carolinensis*), Common magpie (*Pica pica*). Wildlife Management.
Monitoring techniques 1 (16h E)
Monitoring and catch of lagomorphs and ungulates. Outdoor tutorials.
Monitoring techniques 2 (16h E)
Monitoring and catch of lagomorphs and ungulates. Outdoor tutorials.

TEACHING METHODS
Theoretical lessons, Outdoor tutorials.

EVALUATION METHODS
Oral examination

INTERACTION WITH STUDENTS
On Tuesday and on Thursday from 15:30 to 16:30 in the teacher office. Moreover, the teacher will be available by e-mail or phone.

EXAMINATION SESSIONS
See on the web site https://unibas.esse3.cineca.it/Home.do

EXAMINATION COMMITTEE
Prof. Pierangelo Freschi (member, president), Dott. Carlo Cosentino (member), dott. Mauro Musto (additional member)

SEMINARS OF EXTERNAL EXPERTS YES