



Czech University of Life Sciences Prague

**Faculty of Tropical
AgriSciences**

Master's Degree Study Programme

Wildlife and Livestock Production, Management and Conservation (WLP/MC)

Specialization:

WILDLIFE MANAGEMENT AND CONSERVATION (WMC)

Students will be provided with a solid theoretical background in wild and domestic animal production, management and conservation in tropical and developing regions. Obtained knowledge will be practically used during several practical trainings and fieldworks. Students will participate in a multidisciplinary project focused on human-wildlife conflict mitigation, applying the principles of sustainable animal breeding and wildlife conservation in practice.

In WMC specialization, a solid theoretical background from zoology, behaviour, genetics and resource use provides a backbone for practical skills in terms of conservation of reptiles, birds, small and large mammals. You will be ready to design a conservation programme for animal species, manage a protected area, and take responsible decisions in terms of conservation breeding in a zoo or any other ex situ and in situ facility. Giving the value to wildlife may help to increase animal numbers and goes hand in hand with the development of local communities, provides workplaces and strengthens the ancient relationships of human to wildlife. You will be able to create and implement wildlife management plan, respecting cultural traditions.

Examples of Master's theses:

- Detectability of Western Derby elands in semi-arid and sub-humid savanna by aerial imagery
- Spatial and social behaviour of giraffe in Garamba National Park, DRC
- Drivers of reptile diversity in Serra de Bocaina NP and surrounded agriculture areas, SE Brazil
- Non-invasive faecal monitoring of hormones in female cheetahs
- Analysis of the use of Bromeliads by the Andean bear in paramo ecosystems in Southern Ecuador
- Phylogeny and population characteristics of Derby eland (*Taurotragus derbianus*)



Indicative study plans

Obligatory courses

- ✓ Resource Ecology
- ✓ Processing and Interpretation of Biological Data
- ✓ Human-Wildlife Conflict – Production Perspective
- ✓ Animal Behaviour
- ✓ Molecular Ecology
- ✓ Practical Training – Animal Production
- ✓ General Epizootiology and Prevention of Animal Diseases
- ✓ Vertebrate Zoology
- ✓ GIS I.
- ✓ Protected Areas Management
- ✓ Animal Diversity Conservation
- ✓ Animal Census and Monitoring

Courses are supplemented by obligatory Scientific Seminars and preparation of Master's theses.

The **Practical Training** is designed in order to allow the students to gain a practical work experience and it is located off-campus in either governmental or non-governmental sector whose scope covers research, development and/or pedagogical activities with special regard to tropical regions, developing countries and/or agricultural education worldwide.

Required optional courses – group A

- ✓ Breeding of Indigenous Animal Species
- ✓ Game Ranching
- ✓ Deer Biology and Production
- ✓ Tropical Herpetology
- ✓ Animal Nutrition and Feeding
- ✓ Bird Diversity and Importance
- ✓ Wildlife Capture and Translocations
- ✓ Outdoor Fieldwork
- ✓ Small Mammals Biology and Conservation
- ✓ Antelope Use and Conservation

Students select at least 4 courses from this group.

Required optional courses – group B

- ✓ Tropical Phytocoenoses
- ✓ Tropical Crop production
- ✓ Agroforestry
- ✓ Tropical Pastures and Fodder Crops
- ✓ Monitoring and Evaluation
- ✓ Project Cycle Management
- ✓ Cooperatives and Farmer Associations
- ✓ Economic Botany
- ✓ Marketing of Tropical Products
- ✓ Summer Sports
- ✓ GIS II.
- ✓ Personal Security and Risk Management
- ✓ Management of Sub-(Tropical) Land-Use Systems
- ✓ Applied Research Methods in Agriculture
- ✓ Economics of Farming Systems
- ✓ Winter Sports
- ✓ Fair Trade and Ethical Business in International Trade
- ✓ Practical Animal Handling, Sampling and Processing
- ✓ Organic Waste Management

Students select at least 2 courses from this group.

Optional courses

Students select other courses which are taught in English from the actual offer of the Czech University of Life Science Prague or courses can be passed at foreign universities as part of Erasmus+ exchange programs.

State exam

State exam consists of Master's thesis defence and examinations from 2 obligatory and 1 optional topics.

Obligatory topics:

- Animal Ecology and Behaviour
- Biodiversity and Conservation

Optional topics:

- Management and Ecology of Small Vertebrate
- Management and Ecology of Mammals
- Sustainable Use of Wildlife

Detailed study plans are available in the University Information System (UIS) – is.czu.cz