

# Spring semester in Animal Conservation

Animal Sciences Faculty  
Warsaw University of Life Sciences - SGGW

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## ANIMAL CONSERVATION

semester course for ERASMUS students



One semester course for Erasmus+ students for 30 ECTS credits

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## Student profile:

Students of bachelor and masters level, from all faculties of life sciences scope

## Scope of the course:

- ★ to teach wildlife conservation methods
- ★ to present different aspects of scientific knowledge used in animals conservation (biology, ecology, genetics, husbandry, etc.)
- ★ to show how animals population management plans work
- ★ to give students opportunity to work independently and in international teams, involving parties from different scientific background, approaches etc.

## Formal requirements:

Student choosing course is obliged to take part in all classes.

At the end of semester student has to pass theoretical exam and present individual and group project based on whole semester work. During the semester time, some other methods of students learning outcome control will be used, eg. written reports, laboratory tasks, seminar activity, group case studies, etc.

All the subjects will be first introduced to students as lectures. Then some of the topics will be discussed during seminars (students need to prepare themselves before seminars and contribute actively during seminars). Other topics will be discussed during field trips. Students will be able to actively take part in some faunistic studies, active ways of wildlife protection, etc.

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## Subjects of lectures:

### 1. Fauna of Poland (state, conservation)

- ★ zoogeographical borders of Poland
- ★ species richness (common vs. rare species)
- ★ selected groups of invertebrate and vertebrate fauna of Poland – biology, ecology, importance for man economics, number
- ★ animal alien species – threats and defense
- ★ inventory and monitoring of fauna
- ★ methodology of faunistic studies for different group of animals

### 2. Animals conservation

- ★ nature conservation law regulations (Poland, Europe, World)
- ★ biodiversity conservation at three levels (Genetic Resources, species, animal habitats = ecosystems)
- ★ ecological genetics – the use of molecular methods to support wildlife conservation measures
- ★ ex-situ and in-situ conservation
- ★ active protection of wildlife (habitat restoration, reintroduction, introduction)
- ★ alternative methods of livestock production as a tool in ecological engineering
- ★ wild animals population management (protected species, game animals, endangered species, ecological engineering)
- ★ species management plans (different groups of fauna)
- ★ animal behavior – how to achieve welfare in captivity?
- ★ feeding of wild animals in captivity

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## Subjects of classes (laboratory)

1. Population management – computer simulations
2. Genetics in animals conservation – laboratory exercises

## Subjects of seminars

1. subjects introduced during lectures
2. species management plans – case studies

## Subjects of field classes

all subjects introduced during lectures

## Place:

1. European Bison Breeding Center
2. Mazowiecki Landscape Park
3. State Forest field station

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## Admissions:

- ★ deadline for sending application: **December, 20<sup>th</sup> 2015**
- ★ Application forms: <http://www.sggw.pl/en/international-cooperation/educational-programs/erasmus-llp>
- ★ contact: [incoming@sggw.pl](mailto:incoming@sggw.pl)