

ZOOLOGY (Specialization Horticulture, Environmental Engineering, .II.th Year of study, .IV.th Semester)

Credit value (ECTS):2

Course category: mandatory

Course holder: Șef lucr . dr. Bădeanu Marinela

Discipline objectives (course and practical works)

- to knowledge development and life on earth, their relationship;
- knowledge dangers entailing extinction phenomenon, their migration from one area to another and the effects it has this phenomenon;
- knowledge of Red List species, classified and inventoried international and national categories of extinction risk exposure;
- presentation of measures to reduce the phenomenon of extinction of species or migrating to other areas from intensive agricultural practices.

Contents (syllabus)

Course (chapters/subchapters)
1. What is it and what does the science zoology. The emergence of life on earth: hypotheses, theories.
2.The evolution of life on earth to actuale.Clasificarea forms of living organisms: systems, types.
3. Invertebrates: general characters.
4.Vertebrates: general characters.
5.Red List of endangered species. Criteria importance
6.Invertebrates in Romania under the red list.
7.Vertebrates from Romania under the red list.

Practical works
1.Roundworms, tapeworms and rings. Molluscs. Ontogeny and phylogeny, general character group.
2.Arthropods (arachnids, crustaceans, insects, millipedes). Ontogeny and phylogeny, general character group.
3.Vertebrates (fish, frogs, reptiles). Ontogeny and phylogeny, general character group.
4.Vertebrates (birds and mammals). Ontogeny and phylogeny, general character group.
5.Factors incriminated in the disappearance of animal species on Earth
6.Invasive species
7.Measures to reduce the loss of species and control the phenomenon of migration in agricultural ecosystems

Bibliography

- 1.Marinela Bădeanu, 2005, Zoologie agricolă, Editura Tehnopress Iasi, 213 pg, ISBN. 973-702-768-8
- 2.Bucșa Corneliu, 2005, Zoologia nevertebratelor, Editura Universității „ Lucian Blaga” , Sibiu.

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Exam	70 %
	presence	

Practical works	Tests + cours and practical	30%
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Contact

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