Sveučilište u Zagrebu Agronomski fakultet
Svetošimunska cesta 25, 10000 Zagreb
Telefon: +385 (0)1 2393 777
E-mail: dekanat@agr.hr
Web: www.agr.unizg.hr

Basics of Agricultural Zoology (296615)

Nositelj kolegija

prof. dr. sc. Tea Tomljanović

Opis kolegija

Definition and development of zoology and agricultural zoology. Principles of general and systematic zoology. Etiology. The basic ecological concepts. Zoogeography. Paleontology. Evolution. Endemic species and the protection of animals. Systematic and biology of animals. Overview of the animal kingdom, with special emphasis on those relevant to agronomy. Microscopy. Working with preparations in practicum. Seminars. Field work in nature and Zagreb zoo.

ECTS: **3.00**

Engleski jezik: **R1**

E-učenje: **R1**

Sati nastave: 30
Predavanja: 18
Laboratorijske vježbe: 2
Vježbe u praktikumu: 2
Seminar: 4
Terenske vježbe: 4

Izvođač predavanja

- prof. dr. sc. Tomislav Treer, professor emeritus

Izvođač vježbi

- prof. dr. sc. Marina Piria
- prof. dr. sc. Daniel Matulić

Izvođač seminara

- prof. dr. sc. Marina Piria

Ocjenjivanje

Dovoljan (2): 74-79%
Dobar (3): 80-87%
Vrlo dobar (4): 88-95%
Izvrstan (5): >96%

Vrsta kolegija

- Undergraduate studies / BS Courses taught in English (Izborni kolegij, 1. semestar, 1. godina)

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Opće kompetencije

At the end of this course students will be able to manage good recognition of animal taxa in order to successfully work with the animals and study their role in human life.

Oblici nastave

- Lectures
  the lessons will be interpreted certain chapters with many examples of practice and numerous projection pictures
- Laboratory practice/exercises
  Work on the section of different animal species
- Practicum
  work on a collection of animals that are found in the Department of fisheries, beekeeping, game management and special zoology
- Field work
  sampling different species in streams and rivers. Visits to museums, the zoo and other natural science institutions
- Seminars
  individual work of students at especially interesting animal species for him with the expert help of mentors

Ishodi učenja i način provjere

Ishod učenja	Način provjere
Identify and nominate important animal taxons	colloquium, midterm exam
To understand the significance of evolution and evidence of it	oral exam
To demonstrate the basics of field and laboratory work with animals	oral exam
Systematized animal species in the appropriate category and understand its role in agriculture	midterm exam

Način rada

Obveze nastavnika

Classes according to the schedule and within the planned number of hours. Keeping records of the presence of students in classes, student success and achievements. Recommendations of textbooks, manuals and other forms of information that are available to students. Maintenance exams for students according to the schedule prescribed in the examination terms. Maintenance consultation with students to overcome the study program. Organizing field work for students. Mentoring students in the preparation of the final work.

Obveze studenta

Solve the teaching and exam prerequisites. Attend the established curriculum.

Polaganje ispita

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Elementi praćenja	Maksimalno bodova ili udio u ocjeni	Bodovna skala ocjena	Ocjena	Broj sati izravne nastave	Ukupni broj sati rada prosječnog studenta	ECTS bodovi
midterm exam	44	<74 % 74 % 80 % 88 % 96 %	Nedovoljan (1) Dovoljan (2) Dobar (3) Vrlo dobar (4) Izvrstan (5)	12	160	1.3
oral exam	12	<74 % 74 % 80 % 88 % 96 %	Nedovoljan (1) Dovoljan (2) Dobar (3) Vrlo dobar (4) Izvrstan (5)	6	10	0.4
midterm exam	44	74 %		12	160	1.3

Elementi praćenja	Opis	Rok	Nadoknada
midterm exam	Chordonia, Anamnia, Reptilia, Aves, Mammalia	From the ninth week until the end of classes	During examination periods
oral exam	Ecology. Basic ecological terms. Zoogeography. Paleontology. Evolution. Endemic species and animal protection		During examination periods
colloquium	Identify and nominate important animal taxons	By the end of the classes	During examination periods

Tjedni plan nastave

1. General and systematic zoology L - Definition and importance of zoology and agricultural zoology. Basic concepts of general zoology. The principles of classification of animals.
2. Selected terms of general zoology I L - Tomljanović Etiology. The basic ecological terms. Zoogeography
3. Selected terms of general zoology II L - Paleontology. Evolution. Endemic species and the protection of animals
4. Taxonomy I L - Protozoa, Parazoa
5. Taxonomy II L - Ameria
6. Taxonomy III L - Polymeria, Oligomeria
7. Taxonomy IV L - Anamnia
8. Taxonomy V L - Reptilia, Aves.
9. Taxonomy VI L - Mammalia
10. Practicum P - Work with preparats in practicum
11. Laboratory work Lab - Microscopy
12. Field sampling I F - Field work in nature
13. Field sampling II F - Field work in Zagreb zoo.
14. Seminar S - Individual consultation for seminar work
15. Exam

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Obvezna literatura

1. Treer T., Tucak Z. (2004): Agrarna zoologija. Školska knjiga, Zagreb.
2. Treer T., Odak T., Piria M. (2001): Tablice za prepoznavanje važnijih taksona životinja. Agronomski fakultet, Zagreb.

Preporučena literatura

1. Oštrec Lj. (1998): Zoologija. Zrinski, Čakovec.
2. Matoničkin I., Erben R. (2004): Opća zoologija. Školska knjiga, Zagreb.
3. Dorit R. L., Walker W. F., Barnes R. D. (1991): Zoology. Saunders College Publishing, Philadelphia.
4. Garms H., Borm L. (1981): Fauna Evrope. Mladinska knjiga, Ljubljana
5. Matoničkin I.,Habdija I., Primc-Habdija B. (1998): Beskralješnjaci I & II. Školska knjiga, Zagreb.

Sličan kolegij na srodnim sveučilištima

- Agricultural Zoology, Mendel University in Brno, Czech Republic
- Zoologie, BOKU, Wien, Austria
- Zoology, University of Hohenheim, Germany

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