

## Basics of Agricultural Zoology (152067)

### Nositelj predmeta

[prof. dr. sc. Tea Tomljanović](#)

### Opis predmeta

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

Vježbe u praktikumu: 8

Seminar: 4

#### Izvođač predavanja

- [prof. dr. sc. Tomislav Treer, professor emeritus](#)

#### Izvođač vježbi

- [prof. dr. sc. Marina Piria](#)
- [izv. 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): 96-100%

### Vrsta predmeta

- Undergraduate studies / [BS Courses taught in English](#) (Izborni predmet, 1. semestar, 1. godina)

### 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

| 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 %<br>74 %<br>80 %<br>88 %<br>96 % | Nedovoljan (1)<br>Dovoljan (2)<br>Dobar (3)<br>Vrlo dobar (4)<br>Izvrstan (5) | 12                        | 160                                       | 1.3         |

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|-------------------|-------------------------------------|--|---|---------------------------|---|-------------|
| oral exam         | 12                                  | 60; 74 %<br>74 %<br>80 %<br>88 %<br>96 % | Nedovoljan (1)<br>Dovoljan (2)<br>Dobar (3)<br>Vrlo dobar (4)<br>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

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

## Obvezna literatura

- Treer T., Tucak Z. (2004): Agrarna zoologija. Školska knjiga, Zagreb.
- 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. Matonićkin 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. Matonićkin I., Habdija I., Primc-Habdija B. (1998): Beskralješnjaci I & II. Školska knjiga, Zagreb.

## Sličan predmet na srodnim sveučilištima

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