

2024-2025

GAME BREEDING AND MANAGEMENT

UNIVERSITY OF ZAGREB

FACULTY OF VETERINARY MEDICINE

Heinzelova 55

Tel. 01/ 2390 260

Division: Animal production and biotechnology

Department / Clinic: **Department of game and wildlife management**

Email: [slavica@vef.hr](mailto:slavica@vef.hr); [janicki@vef.hr](mailto:janicki@vef.hr); [magda.sindici@vef.hr](mailto:magda.sindici@vef.hr)

Register no.:

File no.:

Zagreb, 2<sup>nd</sup> of September 2024

|   |                      |            |
|---|----------------------|------------|
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| 190796  | REPUBLIKA HRVATSKA   |            |
| Veterinarski fakultet u Zagrebu   |                      |            |
| Primljeno:  | 09.09.2024           |            |
| Klasifikacijska oznaka  | Org. jed.            |            |
| 602-04/24-22/38   | 251-61-41/251-61-32; |            |
| Urudžbeni broj  | Prilozi              | Vrijednost |
| 251-61-19-24-62   | 0                    | -          |

**COURSE SYLLABUS**

Course name: **Game Breeding and Management**

Academic year 2024-25

Course leader: Prof Alen Slavica

Teachers: Prof Zdravko Janicki (deputy), Prof Alen Slavica, Assoc. Prof Magda Sindičić, Prof Dean Konjević

Associate teachers: -

First day of classes: 01/10/2024

Last day of classes: 28/11/2024

**Timetable for LECTURES academic year 2024-2025**

| LECTURES      |   |                  |  |   |
|---------------|---|------------------|--|---|
| Date          | Methodological unit   | Teacher          | Location / time  | Literature  |
| 01. 10. 2024. | Introduction 1 hour<br>Game Management I 1 hour                         | Prof Z. Janicki  | Department of Parasitology,<br>Lecture Room<br>08.15-09.45 | Hunting Act, literature is listed on the web page |
| 02. 10. 2024. | Game Management II 1 hour<br>Selection technics in game breeding 1 hour | Prof D. Konjević | Department of Parasitology,<br>Lecture Room<br>13.30-15.00 | Literature is listed on the web page              |
|               |   |                  |  |   |

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### Timetable for SEMINARS academic year 2024-2025

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## Timetable for PRACTICALS academic year 2024-2025

| PRACTICALS    |   |   |                   |        |                                 |                                      |
|---------------|---|---|-------------------|--------|---------------------------------|--------------------------------------|
| Date          | Methodological unit   | Teacher   | Type of practical | Groups | Location / time                 | Literature                           |
| 03. 10. 2024. | Arrangement and maintenance of hunting ground - 1 hour<br>Age and sexual structure of population - 1 hour                                 | Prof A. Slavica<br>Assoc. Prof M. Sindičić  | Laboratory work   | 1,2,3  | Students Room<br>13.30 – 15.00  | Literature is listed on the web page |
| 04. 10. 2024. | Hunting management plan - 1 hour<br>Wildlife management practice - 1 hour   | Prof Z. Janicki<br>Prof D. Konjević   | Laboratory work   | 1,2,3  | Students Room<br>14.00 – 15.30  | Literature is listed on the web page |
| 14. 10. 2024. | Health surveillance and veterinary profession in hunting - 1 hour<br>Profession training of qualified person in the hunting area - 1 hour | Prof Z. Janicki<br>Assoc. Prof M. Sindičić  | Laboratory work   | 1,2,3  | Students Room<br>15.00-16.30    | Literature is listed on the web page |
| 21. 10. 2024. | Practical work in hunting ground - 6 hours<br>Fund development of big and small game species - 2 hours                                    | Prof A. Slavica<br>Prof Z. Janicki<br>Prof D. Konjević<br>Assoc. Prof M. Sindičić | Field work        | 1,2,3  | Hunting ground<br>08.00 – 16.00 | Literature is listed on the web page |
| 24. 10. 2024. | Equipment for capture and immobilization - 1 hour<br>Capture and transport of game- 1 hour  | Prof A. Slavica<br>Assoc. Prof M. Sindičić  | Laboratory work   | 1,2,3  | Students Room<br>12.00 – 13.30  | Literature is listed on the web page |
| 25. 10. 2024. | Chemical immobilization I - 2 hours   | Prof Z. Janicki   | Laboratory work   | 1      | Practicum Room<br>14.15 – 15.45 | Literature is listed on the web page |
| 25. 10. 2024. | Chemical immobilization II - 2 hours  | Prof Z. Janicki   | Laboratory work   | 1      | Practicum Room<br>15.45 – 17.15 | Literature is listed on the web page |
| 28. 10. 2024. | Chemical immobilization I - 2 hours   | Prof Z. Janicki   | Laboratory work   | 2      | Practicum Room<br>13.00 – 14.30 | Literature is listed on the web page |
| 28. 10. 2024. | Chemical immobilization II - 2 hours  | Prof Z. Janicki   | Laboratory work   | 2      | Practicum Room<br>14.30-16.00 h | Literature is listed on the web page |
| 11. 11. 2024. | Chemical immobilization I - 2 hours   | Prof Z. Janicki   | Laboratory work   | 3      | Practicum Room<br>09.00-10.30 h | Literature is listed on the web page |

|               |  |   |                 |       |                                  |                                      |
|---------------|--|---|-----------------|-------|----------------------------------|--------------------------------------|
| 11. 11. 2024. | Chemical immobilization II - 2 hours                               | Prof Z. Janicki                             | Laboratory work | 3     | Practicum Room<br>10.30 -12.00 h | Literature is listed on the web page |
| 19. 11. 2024. | Game management outside the hunting area, reintroduction - 2 hours | Assoc. Prof M. Sindičić                     | Laboratory work | 1,2,3 | Students Room<br>14.15 – 15.45   | Literature is listed on the web page |
| 27. 11. 2024. | Big game farming - 2 hours   | Assoc. Prof M. Sindičić<br>Prof. A. Slavica | Laboratory work | 1,2,3 | Students Room<br>14.15 – 15.45   | Literature is listed on the web page |
| 28. 11. 2024. | Small game (furry and feathered) farming - 2 hours                 | Prof A. Slavica<br>Prof Z. Janicki          | Laboratory work | 1,2,3 | Students Room<br>11.00 – 12.30   | Literature is listed on the web page |

### STUDENT OBLIGATIONS

|   |   |
|---|---|
| Lecture attendance                              | <p>3 to 6 points</p> <p>The student must be present at 2 hours of lectures to achieve a minimum of 3 points. Maximum number of points is 6.</p>   |
| Seminars attendance                             | <p>8 to 12 points</p> <p>The student must be present at 18 hours of exercise to achieve a minimum of 8 points. The maximum number of points is 12.</p>  |
| Practicals attendance                           | <p>5 to 10 points</p> <p>Students must take an active part at the practical exercises by answering questions to prove their preparedness. Each correct and complete answer is 0.5 points. The minimum number of points in this rating element is 5. The maximum number of points is 10.</p>   |
| Active participation in seminars and practicals | <p>20 to 32 points</p> <p>Knowledge will be checked with two written colloquia, the first one after half of the processed material and the other final colloquium. The minimum number of such points is 20, and the maximum number of points is 32.</p>   |
| Final exam                                      | <p>24 to 40 points</p> <p>To qualify for the final exam, the student has to collect at least 36 out of the possible 60 points in the curriculum by using the previous grading elements. The final exam consists of a verbal part. On oral exam, the student answers 8 questions. Each correct and complete answer brings up to 5 points. On the oral exam, the answer is assigned 0 to 5 points.</p> <p>The minimum number of points is 20. The maximum number of points is 40.</p> |
| Examination requirements                        | <p>Student requirements are defined in the Regulations on the Integrated Undergraduate and Graduate Study of Veterinary Medicine (2022). Given the above, the student must acquire a minimum number of points from all</p>  |



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|  | assessment elements in order to take the final exam. <b>Article 41:</b> A student can justifiably be absent from up to 50 % of the lectures; 30% of the seminars and 30 % of the exercises.. |
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### GRADING AND EVALUATING STUDENT WORK

|   |  |
|---|--|
| Continuous knowledge-checking (mid-terms) | Two colloquia, first will be on Mon 29/10/2024 at 9.15, second on Mon 03/12/2024 at 10.30. |
| Final exams (dates)                       | Winter semester: 16/12/2024, 07/02/2025, 19/02/2025.                                       |
| Form of final exam                        | Oral   |

### LITERATURE

|                       |  |
|-----------------------|--|
| Obligatory literature | Haigh, J. C., R. J. Hudson (1993): Farming Wapiti and Red Deer. Mosby-Year Book, Inc., St. Louis, Missouri, USA<br>Nielsen, L. (1999): Chemical Immobilization of Wild and Exotic Animals. Iowa State Univer. Press, Ames, Iowa, USA<br>Schemnitz, S. D. (Ed) (1980): Wildlife Management Techniques Manual. The Wildlife Society, Inc., Maryland, USA |
| Optional literature   | Reid, H. W. (1988): "The Management and Health of Farmed Deer". Kluwer Academic Publishers, Boston, London   |

### OBJECTIVES AND LEARNING OUTCOMES

|                   |  |
|-------------------|--|
| Course objectives | By attending the Game breeding and management course students will gain the knowledge on peculiarities of natural and intensive breeding of different game species. They will gain the basic knowledge on natural sciences, animal welfare, handling and breeding as well as on legislative, Croatian and EU regulations of the aforementioned activities. The subject curriculum is formed in a way to inspire the bioethical approach to the game breeding, which is based on the newest welfare understanding and traditional game breeding system. Attendants can meet the essentials of selective work in game breeding, the models of intensive breeding of large and small game and guidelines for the game production. In practical part students gain knowledge and competency of game breeding, keeping and management particularly by sex and age determination, estimation of game breeding value, social structure evaluation, breeding technology comprehension (natural and farm breeding of small and large game) with etiologic base and welfare satisfaction at breeding and handling with stress on loading, hunting, binding, dazing, transport, |
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|                   |   |
|-------------------|---|
|                   | weighing, operator risk determining etc. In that way the attendants will be able to master specialised skills and competence in expert activities of planning, conduction and improvement of intensive and natural game breeding.   |
| Learning outcomes | <p>At the end of the course, student will be able to:</p> <ol style="list-style-type: none"> <li>1. Develop and implement game management plan and game protection plan</li> <li>2. Model intensive farming of large and small game species</li> <li>3. Design a farm for breeding large and small game</li> <li>4. Design and implement hunting management plan</li> <li>5. Plan and design game management and technical facilities</li> <li>6. Plan nutrition and winter feeding of game animals</li> <li>7. Introduce and rewild reared game</li> <li>8. Estimate economic and rearing value of game</li> <li>9. Apply methods for preventing detriments on game animals</li> </ol> |

#### GRADING SCHEME

| <i>Points</i> | <i>Grade</i> |
|---------------|--------------|
| Up to 59      | 1 (F)        |
| 60-68         | 2 (E)        |
| 69-76         | 2 (D)        |
| 77-84         | 3 (C)        |
| 85-92         | 4 (B)        |
| 93-100        | 5 (A)        |



Course leader:

  
Prof Alen Slavica

Head of Department/Clinic:

  
Prof Alen Slavica

Note: The course leader is required to submit a Course Syllabus to all teachers and associates pertaining to the Course.

Kolegij:

**GRADING AND EVALUATION OF STUDENT WORK ON COURSES WITH LECTURES,  
SEMINARS and PRACTICALS**

| Type of activity                                | Minimum number of points | Maximum number of points |
|---|--------------------------|--------------------------|
| Lectures attendance                             | 3                        | 6                        |
| Seminar attendance                              | 4                        | 6                        |
| Practicals attendance                           | 4                        | 6                        |
| Active participation in seminars and practicals | 5                        | 10                       |
| Continuous knowledge checking (mid-terms)       | 20                       | 32                       |
| Final exam                                      | 24                       | 40                       |
| TOTAL   | 60                       | 100                      |

**GRADING AND EVALUATION OF STUDENT WORK ON COURSES WITH LECTURES and  
PRACTICALS**

| Type of activity                          | Minimum number of points | Maximum number of points |
|---|--------------------------|--------------------------|
| Lecture attendance                        | 3                        | 6                        |
| Practicals attendance                     | 8                        | 12                       |
| Active participation in practicals        | 5                        | 10                       |
| Continuous knowledge checking (mid-terms) | 20                       | 32                       |
| Final exam                                | 24                       | 40                       |
| TOTAL                                     | 60                       | 100                      |

**GRADING AND EVALUATION OF STUDENT WORK ON COURSES WITH SEMINARS and  
EXERCISES**

| Type of activity                                | Minimum number of points | Maximum number of points |
|---|--------------------------|--------------------------|
| Seminar / practicals attendance                 | 11                       | 18                       |
| Active participation in seminars and practicals | 5                        | 10                       |
| Continuous knowledge checking (mid-terms)       | 20                       | 32                       |
| Final exam                                      | 24                       | 40                       |
| TOTAL   | 60                       | 100                      |