

SYLLABUS

1. Course title:

RUMINANTS AND NON-RUMINANTS NUTRITION

2. Code:**3. Cycle of study:**

1

4. ECTS credits:

8

5. Type of course: Mandatory Elective**6. Prerequisites:**

Passed exam from courses Basics of animal nutrition, Anatomy and physiology of domestic animals

7. Class restrictions:

No class restrictions

8. Duration / semester:

1

7

9. Weekly contact hours:

9.1. Lectures:

4

9.2. Seminars:

2

9.3. Laboratory/Practice classes:

0

10. Faculty:

Faculty of Technology

11. Department/study program:

Agronomy

12. Lecturer:

Matija Domaćinović, full professor

13. Lecturer's e-mail:

mdomac@pfos.hr

14. Web site:

www.tf.untz.ba

15. Course aims:

Introducing students with:

- the rates of individual nutrients in the feeding of cattle, sheep, goats, pigs and poultry,
- presentation of the nutritional importance of specific feeding of ruminants and non-ruminants,
- expose the essential features of the technology of feeding of certain categories of cattle, sheep, goats, pigs and poultry,
- explain the formulation of feed mixtures in the feeding of all categories of pigs and poultry.

16. Learning outcomes:

After successfully mastering the course students will be able to:

1. Identify the nutritional value is concentrated and bulky feed materials and their practical application in the food for ruminants (cattle, sheep, goats) and non-ruminants (pigs and poultry).
2. Independently calculate and explain energy-nutritionally balanced meals and feed mixtures in the feeding of certain types and categories of ruminants and non-ruminants.
3. Interpret the feeding technology of certain categories of ruminants and non-ruminants.

17. Course content:

Digestion and digestibility of feed for cattle, sheep, goats, pigs and poultry. Standardization of meal to ruminants and non-ruminants in energy and essential nutrients. Nutritional characteristics and practical application of feed in meals and mixtures for specific categories of ruminants and non-ruminants. Features of technology of feeding different types of animals and their categories. Practically composing of the meals and feeding mixtures in feeding of certain categories of ruminants and non-ruminants.

18. Learning methods:

Learning methods in the course are:

- Lectures using multimedia resources, techniques of active learning and with the active participation and discussion of students;
- Exercises

19. Assessment methods:

During the course, it is provided the implementation of short exams, related to certain related chapters of the course. It is planned to have a total of five short written tests, which will be, according to pre-announced date, held following the lectures or exercises. Each successfully passed the test will be evaluated with max. 7 points, which amounts to max.35 points. All students take tests on the subject at the same time, thereby achieving uniformity of the level of knowledge that is being tested, as well as the conditions under which the student takes the exam. As part of the prerequisites, students are required to prepare individual seminar work that will cover a specific topic from the content of the subject. Seminar in writing is by the end of classes submitted to the subject teacher for review and evaluation. Positively evaluated seminar paper brings students 0-5 points. In addition to these activities, during lectures, students attendance at classes will be evaluated (by 6 points) and also activity at classes (up to 4 points). The final exam is oral and the right for the final exam is given to students who collected at least 30 points in the prerequisites.

At the oral exam, the student answers the five questions drawn from the program of the course, treated in lectures and exercises. Oral exam can be passed if a student answers at least four questions. The maximum number of points a student can achieve at the oral exam is 50.

Checks on all forms of knowledge are recognized as a cumulative test if the result is positive after each individual check and is at least 50% of the total of the predicted and / or required knowledge and skills.

In order to pass the course, a student must have at least 54 cumulative points of which at least 25 points on the final exam.

20. Assessment components:

The assessment of the exam is based on the total number of points the student has obtained by fulfilling the pre-requisites and passing the exam, and contains a maximum of 100 points, and is determined according to the following scale:

Student obligations	Points
Presence (lectures)	3
Presence (exercises)	3
Activity of student	4
Seminar work	5
Tests	35
Final exam	50

21. Required reading list:

Domaćinović M., Antunović, Z., Džomba, E., Opačak, A., Baban, M., Mužić S. (2015) Specijalna hranidba domaćih životinja, Poljoprivredni fakultet u Osijeku
Domaćinović, M. (1999) Praktikum vježbi hranidbe domaćih životinja, Poljoprivredni fakultet u Osijeku

22. Web sources:

(max. 687 characters)

23. Applicable starting from the academic year:

2016/2017

24. Adopted in the Faculty/Academy session: