

SYLLABUS

1. Course title:

CATTLE BREEDING

2. Code:**3. Cycle of study:****4. ECTS credits:****5. Type of course:** Mandatory Elective**6. Prerequisites:**

No prerequisites

7. Class restrictions:

No class restrictions

8. Duration / semester:**9. Weekly contact hours:**

9.1. Lectures:

3

9.2. Seminars:

0

9.3. Laboratory/Practice classes:

2

10. Faculty:

Faculty of Technology

11. Department/study program:

Agronomy

12. Lecturer:**13. Lecturer's e-mail:**

14. Web site:

www.tf.untz.ba

15. Course aims:

To introduce students with the basic principles of cattle production, the nutritional needs of certain categories of cattle, measures for the prevention of diseases of cattle, cattle husbandry systems, and business management patterns and the register of cattle. To qualify candidates for independent management of dairy farms.

16. Learning outcomes:

After successfully mastering the course students will be able to:

1. Identify and explain the economic demands and risks in cattle production,
2. Implement the control of cow milkiness, to calculate production indicators, regarding the level of total and standard lactation,
3. Organize annual plan of herd reproduction, calculate the reproductive efficiency of herd,
4. Organize a plan of feeding the herd,
5. Calculate the consumption of labor, depreciation of herds, facilities and equipment.

17. Course content:

Methods of cattle production. The requirements of cattle production for land surfaces. Trends in production. The numbers and production per cow. Basic features of cattle reproduction. Sexual cycle. Calving. Growing and feeding of offspring. The course of lactation and its characteristics. Estimation of breeding value of cattle. Breeding value of the best bulls and their order. Production capacity of beef cattle. The growth curve of beef breeds. The influence of gender on growth.

18. Learning methods:

Learning methods in the course are:

- Lectures using multimedia means,
- Learning with the active participation and discussion of students
- Field work

19. Assessment methods:

After half of the semester (in the 8th week), students take the writing test, which includes previously treated topics from lectures. The student can achieve a maximum of 20 points on the first test. In the 13th week of the semester, students take the writing test, which includes previously treated topics from lectures from the second semester. The student can achieve a maximum of 20 points on the second test. All students take both 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. For a continuous activity in lectures throughout the semester, the student can achieve 0 to 10 points. The final exam is written or oral. All students have the right to go to the final exam. The maximum number of points a student can achieve on the final exam is 50. The minimum number of points on the final exam is 25.

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 is determined according to the following scale:

Student Obligations	Points
Presence and activity in class	10
Test I	20
Test II	20
Final Exam	50
Total	100

21. Required reading list:

1. Caput, P., Ivanković, A., Mioč, B. (2010): Očuvanje biološke raznolikosti u stočarstvu. Hrvatska mljekarska udruga, Zagreb;
2. Uremović, Z. (2004): Govedarstvo. Hrvatska mljekarska udruga, Zagreb;
3. Caput, P. (1996) Govedarstvo. Celeber, Zagreb;

22. Web sources:**23. Applicable starting from the academic year:**

2016/2017

24. Adopted in the Faculty/Academy session: