

## SYLLABUS

**1. Course title:**

PIG 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:

9.2. Seminars:

9.3. Laboratory/Practice classes:

**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:**

Adopting knowledge, skills and information related to modern pig production, necessary for successful handling of production processes in this production. Through a two-day excursion the acquired theoretical knowledge will be illustrated in practice.

**16. Learning outcomes:**

After successfully passing the course, students will be able to:

- indicate the properties in the selection of pigs and ways to improve them
- distinguish pig production systems
- Identify the technological, health and economic requirements of pig production
- analyze production indicators and suggest improvements in production

**17. Course content:**

Origin and breed of pigs. Breeding methods in pig breeding, breeding in pure blood, crossing, estimation of breeding value of pigs, marking of pigs and records of production indicators. Testing in pig production. Reproduction of pigs. Breeding of suckling pigs, Origin and breed of pigs. Breeding methods in pig breeding, breeding in pure blood, crossing, estimation of breeding value of pigs, marking of pigs and records of production indicators. Testing in pig production. Reproduction of pigs. Breeding of suckling piglets, preparation of sows to give birth, procedures with piglets after birth, causes of embryonic and fetal losses. Calculation of basic production indicators. Pig keeping systems (closed, open, combined).

**18. Learning methods:**

Learning methods in the course are:

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

**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. Kralik i sur. (2007): Svinjogojstvo – biološki i zootehnički principi
2. Uremović, M., Uremović, Z., (2004.): Praktično svinjogojstvo, Insula Ivanich, Kloštar Ivanić

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

2016/2017

**24. Adopted in the Faculty/Academy session:**