

Study Programme: Animal Production
Course Unit Title: Housing in pig breeding and farm management
Course Unit Code: 3MCT1H02
Name of Lecturer(s): Full professor Ivan Radović
Type and Level of Studies: Master academic studies
Course Status (compulsory/elective): Optional
Semester (winter/summer): Summer
Language of instruction: Serbian, but individual consultations and materials are offered to incoming students in English
Mode of course unit delivery (face-to-face/distance learning): face-to-face
Number of ECTS Allocated: 6
Prerequisites: None
<p>Course Aims:</p> <p>The aim of the study program is the education and training of students for professional and scientific work in the field of pig breeding. Acquired knowledge level ensures formed experts that this knowledge easily, efficiently and competently application in practical production, as well as in scientific research.</p>
<p>Learning Outcomes:</p> <p>The outcome of the course is to provide students with the level of education and have the following abilities (skills) and competencies: the ability to understand and resolve problems in a variety of situations that arise during the work associated with pig production, the ability to integrate knowledge in solving complex problems, the ability of logical reasoning to based on available information, formulate their own opinions, assumptions and drawing conclusions, the ability for independent research and team work, leadership research teams and organizations.</p>
<p>Syllabus:</p> <p><i>Theory</i></p> <p>The importance of the pig. Characteristics pig. Directions of production. Organization and production cycles pigs. Production Technology and Systems posture by categories. Technology found. Facilities for accommodation of certain categories of pigs (types of indoor and outdoor facilities). The choice of sites for the construction of buildings. The floor structure. Construction of buildings, interior walls, ceilings, windows, doors and partitions. The impact of modern facilities and equipment. Ventilation systems of buildings. Systems for heating buildings. Technical solutions for pigs. Technical solutions for manure and manure treatment. The interrelationship between environment - behavior of pigs. The feeling of comfort - Welfare (welfare conditions for pigs) Changes in accordance with the legislation relating to housing systems and welfare of pigs. The impact of swine production on the environment. The concept and definition of management. The management and high production. Tasks manager. Creating a production plan. Tracking the results of production. Human Resource Management. The records in the pig. The breeding objective. The choice of race. Management of Technology Education breeding material. Management of production technology hogs. Management of Technology feeding categories. Treatment of pigs and production results. Production technology of the future.</p> <p><i>Practice</i></p> <p>Example of project task. Calculation of planning the accommodation capacity of the farm. Calculation of the planned production volume. Standards for production planning. Calculation of production indicators. Calculation of the amount of food required for the categories of pigs. Calculation of the required amount of water for drinking. Analysis of the data registry records and production results farm. The methodology of execution and processing of the results of the experiment. Methods of identification of animals. Records (organization, labeling, registration records, production records,</p>

automatic data processing, forms, method of keeping the books and patterns, the use of automated data processing).
 Selecting ispitivanja based on the rise. Rating breeding value. Selection festival. -Selection Of workers on the farm. The introduction of workers and job training.

Required Reading:

1. Teodorović, M .; Radovic, I (2004): Pig production. Textbook. Faculty of Agriculture, University of Novi Sad,
2. Uremović, Mary; Uremović, Z(1997): Pig production. Textbook. Faculty of Agriculture, University of Zagreb,
3. Vidovic, V .; Višljčić, V .; Jigović, D .; Punoš Desanka Vukovic, N (2011): Practical pig production. Association of producers and pig meat Requests - Novi Sad
4. Kralik, Gordana; Kušec, G .; Kralik, G .; Margeta, V . (2007): Pig - Biological and Zootechnical Principles. Faculty of Agriculture, University of Josip Juraj Strossmajer in Osijek.
5. McGlone, J.; Pond, W. (2003): Pig Production. Biological Principles and Applications. Thomson Learnig. USA.
6. Scientific journals, proceedings of scientific papers of national and international importance in the field of pig breeding.

Weekly Contact Hours:	Lectures: 2	Practical work: 2
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Teaching Methods:

Lectures, Consultations

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	Final exam	points
Lecture attendance	10	written exam	20
Test	10	oral exam	30
Exercise attendance		
Term paper	30		

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.