

Study Programme: Animal Production
Course Unit Title: Desing and Control of Production on a Pig Farm
Course Unit Code: 19.ANM058
Name of Lecturer(s): Full professor Ivan Radović, Assistant professor Mile Mirkov
Type and Level of Studies: Undergraduate academic studies
Course Status (compulsory/elective): Elective
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: Passed pig production technology course
<p>Course Aims:</p> <p>The aim of the course is to educate and train students for farm design, management of technological processes, their control and analysis of factors that affect production.</p>
<p>Learning Outcomes:</p> <p>The outcome of the process of studying the formation of professionals with academic education which has significantly broadened and deepened knowledge in relation to the knowledge acquired in high school, as well as the knowledge necessary for understanding the scientific basis of the field of livestock-pig production.</p> <p>The knowledge gained students completed undergraduate studies provides expertise to work in agricultural work to the organization: co-operatives, entrepreneurial firms and their own farms engaged in livestock production, followed by counseling and vocational secondary school education.</p>
<p>Syllabus:</p> <p><i>Theory</i></p> <p>Directions of production. Organisation of the pig production. Cycles in pig production. Ambient conditions. Methods of breeding pigs (in pure blood, crossing, hybridization). The procedures selected by pigs. Evaluation of the breeding values. Analysis of the data registry records and production results farm. The methodology of execution and processing of the results of the experiment.</p> <p>Production technology - technology variants. Accommodation pigs. Farm equipment and facilities, planning and construction of the farm. Technology of breeding pigs. Technology of reproduction pigs (artificial inseminations, gestation, farrowing). Technology nutrition and feeding pigs (equipment and technique of feeding categories, the budget amount required nutrients supply of pigs). Records (organization, forms, method of keeping the books and patterns, the use of automated data processing). Selection festival. Example of project task. Calculation of the accommodation capacity of the farm. Technical and technological solutions for accommodation of certain categories of pigs.</p> <p>Example of project task. Calculation of the accommodation capacity of the farm. Technical and technological solutions for accommodation of certain categories of pigs, determining linear measures, measurement surface MLD.</p> <p><i>Practice</i></p> <p>The theoretical part of teaching will be performed in classrooms, ie exercise books with the use of presentations, video animation and movies. Part of the practical classes is intended for field exercises and a tour of the farms..</p>
Required Reading:

1. Teodorović M. ; Radović I. (2004): Pig production. Textbook. Faculty of Agriculture, University of Novi Sad.
2. Uremović M., Uremović Z. (1997): Pig production. Textbook. Faculty of Agriculture, University of Zagreb.
3. Vidović V., Višljčić V., Jigović D., Punoš D., Vuković N. (2011): Practical pig production. Association of producers and pig meat Requests - Novi Sad.
4. Kralik G., 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. Tošić St. M. (2015): Objekt – oprema u svinjogojstvu. Beografiti, Beograd
7. Guido R. (2001): Tecnologie per la Zootecnia.
8. Il sistema PIN per la costruzione dei ricoveri suinicoli (2001): Paver Construzioni, 4. Edizione
9. Scientific journals, proceedings of scientific papers of national and international importance in the field of pig breeding.

Weekly Contact Hours:	Lectures: 3	Practical work: 2
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Teaching Methods:

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	Final exam	points
Lecture attendance	10	written exam	20
Exercise attendance	10	oral exam	40
Field exercises	10	
Term paper	10		

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