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| Course: Animal production | *NONRUMINANT NUTRITION* |
| Course id:3OСT5O20 |
| Number of ECTS:6 |
| Teacher: | Prof. Dr Miloš BeukovićDr Dejan Beuković |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures:3x15 | Practical classes:2x15 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | Basics of animal nutrition |
| 1. Educational goal

Introducing the students, the needs of specific categories of pigs in nutrients. Introduction to basic principles of compiling the complete mixture, additional mixtures and premixes. Introducing, the factors that affect the efficiency of feed utilization, carcass quality and health status pigs. |
| 1. Educational outcomes

Students are trained to independently conduct nutrition program of swine and poultry on the farms, as well as assembling complete mixture, and premixes for swine and poultry. |
| 1. Course content

Theory lessonsThe importance of nutrition and tasks. The function of nutrition in organizing sustainable production. Methods efficient use ofnutrients. Feeding pigs - Nutrients and additives in pig nutrition. Nutrition breeding pigs. Feeding breeding offspring. Nutrition suckling piglets and weaned piglets. Nutrition fattening pigs. Systems nutrition. Ingredients for pigs. Practical exercise exploring the technology of food production and nutrition pigs on the farm. Feeding poultry - Nutrients and additives in poultry nutrition. Nutrition chickens and hens. Nutrition during oviposit and moulting. Fattening chicken. Feeding turkeys. nutrition other types of poultry. Ingredients for poultry. Basic principles of meal. Introduction to the system feeding livestock on the farm.Practical classes:Feeding pigs - Principles of mixture. Calculating the biological value of protein. Calculating needs assembling feeds for individual categories of pigs. Feeding pigs - Needs in nutrients and assembling feeds for individual categories of pigs. CCM,- determination of level silage and premixes in diets.Feeding livestock - Basic principles of preparation of the mixture. Feeding chickens - Needs in nutrients and assembling mixture. Feeding turkeys - Needs in nutrients and assembling mixture. Nutrition other species poultry.Field exercises: Systems of feeding of certain animal species and categories; Feed mixers. |
| 1. Teaching methods

Lectures, Practice. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Lecture attendance | Yes | 10 | *Oral part of the exam* | Yes | 45 |
| Test | Yes | 30 |  |
| Exercise attendance | Yes | 15 |
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| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Lee I. Chiba.  | Sustainable Swine Nutrition | Wiley-Blackwell  | 2012 |
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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationUNDERGRADUATE ACADEMIC STUDIES *ANIMAL SCIENCE* |
| Table 5.2 Course specification |