

Study Programme: ANIMAL PRODUCTION			
Course Unit Title: NONRUMINANT NUTRITION			
Course Unit Code: 19.AIM022			
Name of Lecturer(s): Full. Prof. Miloš Beuković			
Type and Level of Studies: UNDERGRADUATE ACADEMIC STUDIES			
Course Status (compulsory/elective): Mandatory			
Semester (winter/summer): Winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face to face			
Number of ECTS Allocated: 6			
Prerequisites:-			
Course Aims: Introducing students to the needs of certain categories of pigs and poultry in nutrients. Introduction to the basic principles of composition of complete mixtures, additional premixes and premixes. Introduction to influencing factors on feed efficiency, carcass quality and health status.			
Learning Outcomes: Students are trained to independently manage the diet of pigs and poultry on farms, as well as to assemble complete o mixture and premixes for pig and poultry nutrition.			
Syllabus: <i>Theory</i> Significance and tasks of nutrition. The function of nutrition in organizing sustainable production. Methods of more efficient use of nutrients. Pig nutrition - Nutrients and additives in pig nutrition. Nutrition of breeding pigs. Nutrition of breeding offspring. Feeding piglets on teats and weaned piglets. Feeding pigs in fattening. Systems nutrition. Feedstuffs for pig nutrition. Field exercise introduction to feed production technology and nutrition of pigs on the farm. Poultry nutrition - Nutrients and additives in poultry nutrition. Nutrition of chickens - Nutrition of young light and heavy stretchers. Diet during the period of egg laying and moulting. Feeding chickens in fattening. Turkey diet. Nutrition of other types of poultry. Feedstuffsfor poultry nutrition. Basic principles of meal composition. Introduction to the system feeding poultry on farms. <i>Practice</i> Pig nutrition - Principles of mixture composition. Calculation of biological value of proteins. Calculating needs compiling feed mixtures for certain categories of pigs. Nutrition of piglets - Nutrient requirements and compiling feed mixtures for certain categories of pigs. Maize silage - Determination of silage and mixtures ratio. Poultry nutrition - Basic principles of mixture composition. Nutrition of chickens - Nutrient requirements mixture composition. Nutrition of turkeys - Needs for nutrients and composition of mixtures. Diet of other poultry species.			
Required Reading:			
Weekly Contact Hours:	Lectures: 3	Practical work: 3	
Teaching Methods: Lectures and Practical classes, Consultations if needed.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	-	written exam	10
Practical work	-	oral exam	45

Preliminary exam(s)	45	
Seminar(s)			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			