

Study Programme: Animal Production			
Course Unit Title: Ruminant nutrition			
Course Unit Code: 19.ANM029			
Name of Lecturer(s): Prof. Dragan Glamočić, PhD, Doc. Mirko Ivković, PhD			
Type and Level of Studies: Undergraduate academic studies			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): summer			
Language of instruction: Serbian			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 5			
Prerequisites:			
Course Aims: Acquisition of theoretical and practical knowledge from the field of modern nutrition of various types and categories of ruminants with a goal of practical application.			
Learning Outcomes: Ability of the student to apply the acquired knowledge in ruminant nutrition. Ability to use and analyze scientific literature, gather and interpret relevant information for making judgments, devise and defend arguments and solve problems in animal nutrition. Ability to communicate information, ideas, problems and solutions.			
Syllabus: <i>Theory</i> Cow nutrition: prediction of voluntary dry matter intake, nutrients and energy requirement, nutrition of cows in the production cycle, body condition score, systems for cows feeding metabolic disorders and their economic importance, factors that influence the composition of milk. Feeding calves: liquid diet, feeding starter diets, weaning calves, requirements, recommendations. Feeding heifers: nutrition goals, requirements, recommendations, nutrition of beef cattle. Sheep feeding. Goat feeding. The legislation of significance for animal nutrition. <i>Practice</i> Calculation of the monetary value of nutrients, Rationing of different types and categories of ruminants.			
Required Reading: Glamočić D. (2002): Ishrana preživara – praktikum. Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad. Grubić G., Adamović M. (2003): Ishrana visokoproizvodnih krava. Institut PKB Agroekonomik, Beograd. Jovanović R. (1998): Ishrana krava. Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad. Jovanović R., Dujčić D., Glamočić D. (2001): Ishrana domaćih životinja. Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad.			
Weekly Contact Hours:	Lectures: 3	Practical work: 3	
Teaching Methods: Lectures, Practical classes, Consultations			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	5	written exam	40
Practical work	5	oral exam	
Preliminary exam(s)	50	