

Course Unit Descriptor

<b>Study Programme:</b> Animal Science			
<b>Course Unit Title:</b> Special Nutrition of Ruminants			
<b>Course Unit Code:</b> 19.AGR082			
<b>Name of Lecturer(s):</b> Professor Dragan Glamočić			
<b>Type and Level of Studies:</b> Doctoral studies			
<b>Course Status (compulsory/elective):</b> Elective			
<b>Semester (winter/summer):</b> Winter			
<b>Language of instruction:</b> Serbian/English			
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face			
<b>Number of ECTS Allocated:</b> 10			
<b>Prerequisites:</b> None			
<b>Course Aims:</b> Acquisition of theoretical and practical knowledge from the field of modern cattle feeding in intensive production.			
<b>Learning Outcomes:</b> Ability of the student to apply the acquired knowledge in nutrition of various categories of cattle. Ability to use and analyze scientific literature. Ability to transfer information, ideas, problems and solutions.			
<b>Syllabus:</b> <i>Theory</i> Feedstuffs for cattle nutrition. Feeding calves: liquid diet, feeding starter diets, weaning calves, requirements, recommendations. Feeding heifers: nutrition goals, requirements, recommendations, nutrition of beef cattle. Cows: 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. <i>Practice</i> Making rations, diets and vitamin-mineral supplements. Mathematical models in cattle nutrition. Using software in cattle nutrition.			
<b>Required Reading:</b> 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., Dujić D., Glamočić D. (2001): Ishrana domaćih životinja. Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad. National Research Council (2001): Nutrient requirement of dairy cattle. National Academies Press, Washington, USA.			
<b>Weekly Contact Hours:</b>	<b>Lectures:</b> 3	<b>Practical work:</b> 5	
<b>Teaching Methods:</b> Lectures, practical work, consultations.			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Practical work	10	oral exam	50
Seminar(s)	40		