

Course Unit Descriptor

Study Programme: Veterinary Medicine
Course Unit Title: Animal Nutrition
Course Unit Code: 3IVM5025
Name of Lecturer(s): Professor Dragan Glamočić, Assistant Professor Mirko Ivković
Type and Level of Studies: Integrated Academic Degree
Course Status (compulsory/elective): Compulsory
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: None
<p>Course Aims:</p> <p>Subject allows students to acquire:</p> <ol style="list-style-type: none"> 1. Knowledge of feedstuffs, nutrients and nutrition of various types and categories of animals; 2. Skill of balancing mixtures and diets for animal feeding and 3. Capabilities for animal nutrition management.
<p>Learning Outcomes:</p> <p>Upon completion of the course in this case, the student should be able to: 1. State the nutrients important for the diet of different species and categories and explain their importance; 2. specify the feeds that are used in the diet of different species and categories, describe their composition and their use in diets; 3. describe and explain the modern feeding technology of different species and categories; 4. notice and explain shortcomings and errors in animal nutrition 5. calculate the energy value of feedstuff or feed mix; 6. do sampling and organoleptic evaluation; 7. interpret the results of chemical analysis of feedstuffs and mixtures and 8. calculate the nutritional requirements of animals and balance diets and mixtures.</p>
<p>Syllabus:</p> <p><i>Theory</i></p> <p>Basis of animal nutrition, nutrients, energy, digestibility, balance trials. Feeds for ruminant nutrition. Feeding cows, metabolic diseases. Feeding calves, heifers and beef cattle. Feeding sheep and goats. Nutrients for feeding non-ruminants. Nutrition of breeding pigs. Feeding piglets and fattening pigs. Feeding cattle. Feeding rabbits. Feeding horses. Feeding dogs and cats. Feeding wildlife. Feeding fish.</p> <p><i>Practice</i></p> <p>Sampling and assessment of food quality. Calculation of energy and nutrient values. Calculating nutritional requirements of animals. Preparation of diets and the mixes for different species and categories of animals. Field exercises.</p>
<p>Required Reading:</p> <p>Glamočić D. (2002): Ishrana preživara – praktikum. Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad.</p> <p>Grubić G., Adamović M. (2003): Ishrana visokoproizvodnih krava. Institut PKB Agroekonomik, Beograd.</p> <p>Jovanović R. (1998): Ishrana krava. Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad.</p> <p>Jovanović R., Dujic D., Glamočić D. (2001): Ishrana domaćih životinja. Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad.</p>

Weekly Contact Hours:	Lectures: 3	Practical work: 3	
Teaching Methods: Lectures, Practice/ Practical classes			
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	30
Preliminary exam(s)	20	
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.			