

Study Programme: ANIMAL PRODUCTION			
Course Unit Title: BIOLOGY			
Course Unit Code: 19.ANM002			
Name of Lecturer(s): prof. Aleksandra Petrović, PhD; prof. Branka Ljevnaić-Mašić, PhD			
Type and Level of Studies: Undergraduate academic studies			
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: 5			
Prerequisites: none			
Course Aims: Botany - Acquisition of necessary knowledge related to the structure of plants, their functions, and plants' taxonomy with an emphasis on plants' importance for animal production. Zoology - Education and training of students for independent identification and definition of certain animal groups important for animal production.			
Learning Outcomes: Knowledge from this course is the basis for the other fundamental and applied courses: physiology, fodder crops, animal nutrition, selection and breeding, reproduction, veterinary, and zoo hygiene.			
Syllabus: <i>Theory</i> Botany - Morphology (cytology, histology, organography) and systematics of Magnoliophyta important for animal production. Zoology: Morphology (anatomy) and taxonomy of selected animal groups important for animal production. <i>Practice</i> Botany - plant cells and tissues, morphology, anatomy, and systematics of Magnoliophyta. Zoology - animal cells and tissues, morphology, anatomy, and taxonomy of animals.			
Required Reading: Janjatović V. (1994): Botanika. naučna knjiga, Beograd. Glim-Lacy J. and Kaufman P.B. (2006): Botany Illustrated - Introduction to Plants, Major Groups, Flowering Plants Families, 2 nd Ed. Springer. Blachford S., Blanchfield D.S., Harris M., Jeryan C., Kretschmann K., Springer M. (eds) (2004): Grzimek's Animal Life Encyclopedia's, 16 volumes, Thomson Gale. Đukić N., Horvatić A., Kataranovski D., Maletin S., Matavulj M., Pujin V., Sekulić R., Jurišić A. (2018): Poljoprivredna zoologija sa ekologijom. Poljoprivredni fakultet, Univerzitet u Novom Sadu. Nikolić Lj., Jurišić A., Petrović A. (2013): Praktikum iz biologije. Poljoprivredni fakultet, Univerzitet u Novom Sadu. Graph Style, Novi Sad.			
Weekly Contact Hours:	Lectures: 2	Practical work: 2	
Teaching Methods: Theoretical classes - video beam presentations and consultations. Practical classes - independent laboratory exercises with microscopic and macroscopic slides/preparations/examples.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	5	written exam	20
Practical work	5	oral exam	50
Colloquium	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.			