Course Unit Descriptor

Study Programme: Veterinary Medicine			
Course Unit Title: Biotechnology in reproduction of farm animals and horses			
Course Unit Code:3ИВМ11И112			
Name of Lecturer(s): Dr Ivan B. Stančić, associate professor; DVM Ivan M. Galić, assistant			
Type and Level of Studies:IAS Veterinary Medicine			
Course Status (compulsory/elective): Elective/ modul 2			
Semester (winter/summer): Winter			
Language of instruction: Serbian			
Mode of course unit delivery (face-to-face/distance learning): Face to face			
Number of ECTS Allocated:2			
Prerequisites: Reproduction in domestic animals			
Course Aims: Introducing studentsof veterinarymedicinewithcurrent issuesin the field ofbiotechnological methods in reproduction of farm animals, andtheir use infarmproduction conditions, based on the latest knowledgein the field andthe methods usedin the control andregulation ofreproductive functionsof domestic animals.			
Learning Outcomes: Trainingthatstudentsinthe conditions of modernlivestock productionapplyingmodernbiotechnologicalmethodsin controlling thereproductiveherd. Studentswillbe able toadequatelyapplythe methods adoptedduring their work onfarms,veterinary clinics, but alsoin the centersfor reproduction.			
Syllabus: *Theory*A. Biotechnologicalmethodsin controlling thereproductionfunctions: synchronizationof sexual maturity, the synchronization of oestrusandovulation, induction ofsuperovulation,diagnostic methodsin reproduction, control of parturition, AIandembryotransplantation. Manipulation ofgametesandembryos. Controlreproductionin cattle, sheep, goats, pigs and horses. *Practice* Exercise,Other modes of teaching, Study researchwork Practical instructionincludesan interactivevisionexerciseson farms, as well asresearch studentsduringschool hours.			
Required Reading: 1. Драгин. С., Станчић, И., Јотановић С.: Биотехнологија у репродукцији животиња, Пољопривредни факултет, Нови Сад, 2016.			
WeeklyContact Hours:	**Lectures:1**	**Practical work:1**	
Teaching Methods: The methodof oralpresentations, interactive teaching, illustrative-demonstrative methodsthrough presentations, field andlaboratory work.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	Points 50	**Final exam**	Points 50

Active class participation	0-5	written exam	20
Practical work	0-10	oral exam	30
Preliminary exam(s)	0-30	…….	
Seminar(s)	0-5		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			