

Study Programme: PhD Agronomy			
Course Unit Title: Application of the new technology in sheep and goat production			
Course Unit Code: 19.AGR032			
Name of Lecturer(s): PhD Pihler Ivan prof.			
Type and Level of Studies: PhD studies			
Course Status (compulsory/elective): elective			
Semester (winter/summer): winter			
Language of instruction: Serbian			
Mode of course unit delivery (face-to-face/distance learning): both			
Number of ECTS Allocated: 7			
Prerequisites:			
Course Aims: Education of student for scientific research in sheep and goat breeding scientific field; learning new biotechnologies methods of sheep and goat breeding and their application.			
Learning Outcomes: Student able to understand and successfully solve problems about sheep and goat breeding. Student able to work in research institutes on academic expertise of sheep and goat breeding.			
Syllabus: <i>Theory</i> Programs of breeding sheep and goat; use of molecular and genetic technologies, using different biotechnology methods in sheep and goat reproduction; use of new technologies in diet of sheep and goat; using computers programs in sheep and goat breeding. <i>Practice</i> Designing a breeding programs for different production systems in sheep and goat production; practical work with computer program used for sheep and goat breeding.			
Required Reading: 1. Spath, H., Thume, O. (2000): Ziegen halten. 5. Auflage, Eugen Ulmer Verlag, Stuttgart. 2. Mason, I. L. (2002): Mason's World Dictionary of Livestock Breeds, Types and Varieties. 5th Edition, Valerie Porter, C.A.B International, Oxon, United Kingdom. 3. Hunsley, R. (2001): Livestock Judging, Selection and Evaluation. Interstate publisher, Inc., Fifth edition. 4. Kinghorn B., Van der Werf J., Ryan, M. (2000): Animal breeding: Use of New Technologies. Beef CRC and University of New England. 5. Jovanović R., Važić B., Šarić M.,: Savremena ishrana koza za mleko. Poljoprivredni fakultet Banjaluka, SP Print Novi Sad, 2012. 6. Mekić, C., Latinović D., Grubić G.: Odgajivanje, reprodukcija, selekcija i ishrana ovaca. Poljoprivredni fakultet Beograd, 2007. 7. Mioč B., Pavić V.: Kozarstvo. Hrvatska mljekarska udruga, Zagreb 2002			
Weekly Contact Hours: 8		Lectures: 4	
Practical work: 4			
Teaching Methods: Lectures, Practice/ Practical classes, Consultations, study, research work			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	6	written exam	
Practical work	8	oral exam	40
Preliminary exam(s)	38	
Seminar(s)	8		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			