

Subject name	Organic Grassland Management						
Code	ZDIP46						
Study	Postgraduate Interdisciplinary University Programme Environment protection and Nature Conservation						
Semester	III						
ECTS credits	5						
Subject status	elective						
Subject coordinator	full professor PhD Gordana Bukvić						
Colaborators							
Prerequisites	no						
Aim of the subject	Permanent grasslands occupy about 50% of agricultural area and represent an important element of eco-system. During the lessons and seminars students should acquire ways of usage and protection of natural grassland associations as well as options for establishment and usage of new grasslands without disturbing the existing eco-system.						
Outcomes of learning	<ol style="list-style-type: none"> 1. Assess the importance and possibilities for forage production on grasslands in agro-ecological conditions of Croatia. 2. Distinguish grassland plant communities 3. Consider the options (technical/agronomy) for improvement of yield and quality (incl. botanical composition) of grasslands in accordance with principles of organic farming. 4. Elect and organize the most appropriate grazing management for maintenance of grassland quality while providing sustainable livestock performance. 5. Anticipate the prospective deterioration of grassland due to grazing and consider the prevention and restoration measures. 						
Relationships between subject outcomes, teaching and students' activity						Points*	
						min	max
	Attending the lectures	2,5	1-5	Lectures	Keeping records	5	10
	Activity during lessons, preparing for lessons, reflexive review of lecture content	0,1	1-5	Lectures	Records, evaluation	5	10
	3 partial exams	1,1	1-5	Assessment of knowledge	Exams in written forms	20	40
	Term paper	0,1	1-5	Assessment of knowledge	Evaluation of term paper	10	20
	Final exam	1,2	1-5	Assessment of knowledge	Oral exam	10	20
	Ukupno	5				50	100
	The final grade: From 50,1 to 62,5 points: grade 2 From 62,6 to 75 points: grade 3 From 75,1 to 87,5 points: grade 4 From 87,6 to 100 points: grade 5.						
Consultancy	2 hours per week in one day, and additionally upon the needs and agreement with						

	students		
Teaching	Lessons	Term papers	Exercises
Hours per week, in total	10	5	-
Content of the subject	<ul style="list-style-type: none"> • Importance of grasslands. • Genesis and classification of natural grasslands. • Grassland plant communities. • Dynamics of plant communities caused by usage of grasslands. • Survival strategy of plant species in grazed grasslands. • Strategy of pasture production. • Grazing systems. 		
Recommended literature	<ol style="list-style-type: none"> 1. Sinclair, T.R. and Gardner, F. P. (1998.): Principles of Ecology in Plant Production. Agronomy Department, University of Florida, USA. CAB International 2. Hodgson, J. and Illius A. W. (1996.): The Ecology and Management of Grazing Systems. CAB International 3. Skender, A. (1990): Fitocenologija u spontanim i antropogenim ekosistemima, Osijek 4. Stjepanović, M., Štafa, Z., Bukvić Gordana(2008): Trave za proizvodnju krme I sjemena. Sveučilišni udžbenik (ISBN: 978-953-7472-01-6). Zagreb. 5. Zbornici radova s EGF kongresa 		
Optional literature	1.Vučković, S. (2004): Travnjaci. Poljoprivredni fakultet Zemun.		
Obligations during teaching	Students are obliged to actively attend the classes and complete all the tasks.		
Taking an examination	<p>Students are expected to continuously attend the classes and actively participate in solving the tasks. During the semester there will be taken one term paper and three partial written examinations. The final exam will be oral. Students fulfilling the obligations and passing exams through semester may be exempted from the final exam. Students are recommended to take notes during the lessons, and to prepare for the exams by using recommended and optional literature. Power Point presentations will be used during the lessons to assist the explanation of the subject content and discussion. The presentations will be available to the students in digital form.</p> <p>Od studenata se očekuje kontinuirano prisustvovanje nastavi i aktivno sudjelovanje u zadacima tijekom izvođenja predavanja i seminara. U toku semestra biti će održan jedan seminar i tri parcijalna, pismena ispita. Završni ispit je usmeni. Studenti uspješnim ispunjavanjem obveza kroz semestar mogu biti oslobođeni pisanja završnog ispita. Studentima se preporuča vođenje bilješki tijekom predavanja, a pripremanje ispita iz obvezne literature te dopunske literature. Tijekom predavanja biti će korištene PowerPoint prezentacije kao pomoć pri objašnjavanju sadržaja o kojima se raspravlja na predavanjima. Prezentacije će u digitalnom obliku biti dostupne studentima.</p>		
Language used in teaching and optional languages	Croatian		
Način praćenja kvalitete i uspješnosti izvedbe predmeta	Questionnaire after completing the teaching.		