

Biotechnical Faculty / FIELD AND VEGETABLE CROPS / PLANT PRODUCTION SYSTEMS

Course:	PLANT PRODUCTION SYSTEMS			
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exercises+Laboratory)
12345	Mandatory	1	7	3+2+0
Programs	FIELD AND VEGETABLE CROPS			
Prerequisites	-			
Aims	Introduction in the different systems of agricultural production			
Learning outcomes	- Definition of contemporary terminology in the agriculture. - Definition of production system accordance with agroecological and market precondition - Evaluation of impact of plant production in the crop rotation and monoculture on the ecosystem - Reporting about impact of different form of farm diversification - Understanding of organic and biodynamic production - Estimation of advantage and lack of conventional production - Estimation of advantage and lack of integral production - Advocation of good agriculture practice			
Lecturer / Teaching assistant	prof. dr Natasa Mirecki			
Methodology	Lecture, practical work, seminars, final exam			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Introduction. Terminology. How to choose proper system of production.			
I week exercises	Review database of professional and scientific literature			
II week lectures	Current situation and perspective of different production systems in the MNE. Potential and strengths for new productive systems in the MNE.			
II week exercises	Review database of professional and scientific literature			
III week lectures	Production in the system of crop rotation			
III week exercises	Practical work on the farm			
IV week lectures	Production in the system of monoculture. Agrobiodiversity			
IV week exercises	Practical work on the farm			
V week lectures	Diversification of farm			
V week exercises	Practical work on the farm			
VI week lectures	Assessment I Evaluation and comments of assessment I			
VI week exercises	Presentation of samarium			
VII week lectures	Intensive plant production			
VII week exercises	Presentation of samarium			
VIII week lectures	Alternative systems of plant production			
VIII week exercises	Practical work on the farm			
IX week lectures	Biodynamic agriculture			
IX week exercises	Practical work on the farm			
X week lectures	Organic agriculture			
X week exercises	Practical work on the farm			
XI week lectures	Integral agriculture			
XI week exercises	Practical work on the farm			
XII week lectures	Good agriculture practice and other legislation in plant production.			
XII week exercises	Introduction and analyze of different standards of GAP			
XIII week lectures	Impacts of agriculture to the environment.			
XIII week exercises	Analyze of standards for agroecology protection			
XIV week lectures	Wastage of food. Decreasing of food loss.			

XIV week exercises	Review of video and additional literature for lessons already learn					
XV week lectures	Assessment II					
XV week exercises	Evaluation of learning process. collecting suggestion for further lessons					
Student workload						
Per week			Per semester			
7 credits x 40/30=9 hours and 20 minuts 3 sat(a) theoretical classes 0 sat(a) practical classes 2 excercises 4 hour(s) i 20 minuts of independent work, including consultations			Classes and final exam: 9 hour(s) i 20 minuts x 16 =149 hour(s) i 20 minuts Necessary preparation before the beginning of the semester (administration, registration, certification): 9 hour(s) i 20 minuts x 2 =18 hour(s) i 40 minuts Total workload for the subject: 7 x 30=210 hour(s) Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) 42 hour(s) i 0 minuts Workload structure: 149 hour(s) i 20 minuts (courses), 18 hour(s) i 40 minuts (preparation), 42 hour(s) i 0 minuts (additional work)			
Student obligations			Participate to lessons, seminars, laboratory and field exercise, assessments			
Consultations						
Literature			1. Francis, C.F., Poincelot R.P., Bird,G.W. (2006): Developing and Extending Sustainable Agriculture -A new Social Contract. Haworth Food and Agriculture Products Press, USA 2. Fedor, J.,(2001): Organic gardening for the 21th century , Readers Digest Association, USA. 3. Kriskovic, P. (1989): BioAgrikultura, Mladost Zagreb. 4. Caporali, F., (2003): Agriculture and Health. Agricultura e Salute, Cento, Italy 5. Velagic-Habul, E., Nikolic, A., Akagic, A. (2005): Nove farme hrane na tržištu.			
Examination methods			Seminar, excursuses, colloquiums, final exam			
Special remarks						
Comment						
Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points