

1. Title of subject/module/unit		Pruning and Training of Fruit Trees					
2. Unit code		622Z209		3. Number of ECTS credits		4	
4. Contact hours			Total	L	E	S	Other forms
			36	0	13		23
5. Cycle	Master's		6. Year	2 nd		7. Semester	3 rd
8. Study programme		International Master of Horticulture Science			9. Branch of study		
10. Pillar of the programme		Compulsory			11. Language	Slovak / English	
12. Special features							
13. Objectives and subject-specific competences		Providing students with knowledge on physiological conditioning of growth and yielding and its exploitation in fruit woods pruning and training, and with practical experience related to fruit woods pruning. Learning outcomes – graduate of the subject manages basic and miscellaneous methods of pruning, and is able to design their use within the system of fruit woods care in dependence of plantation state and expected results. Manages activities related to training and pruning of fruit woods independently.					
14. Description of content		Terminology related to the field. Classification of tree forms. Goals of fruit woods pruning. Basic principles regulating growth and yielding of fruit woods. Physiologically based pruning. Basic and miscellaneous pruning methods, classification of pruning according to tree age (forming, regulating and rejuvenation pruning), material and tools used for fruit woods pruning and training. Contribution of pruning and forming to fruit production intensity. Pruning and training of individual fruit species – apple tree, pear, quince, medlar, sweet and sour cherries, apricot, peach tree, plum tree, currants, gooseberry, raspberries, blackberries, miscellaneous and shell fruit species – typical tree (bush) forms and their characteristics, practical procedure of training of the selected tree (bush) forms and regulating pruning.					
15. Basic bibliografy		<p>Brunner, T.: Physiological Fruit Tree Training for Intensive Growing. Budapest: Akadémiai Kiadó, 1990. 286 pp. ISBN 963-05-5345-7</p> <p>Somerville, W.: Pruning and Training Fruit Trees. Australia : eed International Books Australia, 1996. 144 p. ISBN 0750689315</p> <p>Lafer, G., Schloffer, K., Innerhofer, G., Meister, H. 2003. Organic Fruit Growing. C A B Intl , ISBN 10: 085199640X / 0-85199-640-X, ISBN 13: 9780851996400</p> <p>–</p> <p>Blažek, J. a kol.: Ovocnictví. Praha: Květ, 1998. ISBN 80-85362-33-3</p> <p>Brunner, T.: Physiological Fruit Tree Training for Intensive Growing. Budapest: Akadémiai Kiadó, 1990. 286 pp. ISBN 963-05-5345-7</p> <p>Matuškovič, J.-Paulen, O.: Základy ovocinárstva. Nitra: SPU, 2001. 137 s. ISBN 80-7137-850-X</p>					
16. Envisaged learning outcomes		<i>16.1 Knowledge and understanding</i>			Students will get knowledge on physiological conditioning of growth and yielding and its exploitation in fruit woods pruning and training, and with practical experience related to fruit woods pruning.		

	<i>16.2 Application</i>	Activities will focus on terminology related to the field, classification of tree forms, goals of fruit woods pruning, basic principles regulating growth and yielding of fruit woods, physiologically based pruning. Methods of pruning will be oriented toward the future practical activities of graduate students.
	<i>16.3 Reflection</i>	Graduate of the subject manages basic and miscellaneous methods of pruning, and is able to design their use within the system of fruit woods care in dependence of plantation state and expected results. Manages activities related to training and pruning of fruit woods independently.
	<i>16.4 Transferable skills – not tied to just one subject</i>	This knowledge has applications throughout the food industry, and fruit production.
17. Methods of teaching and learning	Lectures, excursion, field practices.	
18. Conditions for inclusion or to undertake work required	Enrolment in the year of the course.	
19. Methods of assessment and the assessment scale	- Written exam (100%) Evaluation scale: Grades from A (best) to FX (worst)	
20. Method of evaluation of course quality	Student questionnaire.	
21. Curriculum compiler	Ing. Ján Mezey, PhD., Slovak University of Agriculture in Nitra	