

1. Title of subject/module/unit		Integrated systems of fruit production					
2. Unit code		622Z410		3. Number of ECTS credits		6	
4. Contact hours			Total	L	E	S	Other forms
			48	24	24		5
5. Cycle	Master's		6. Year	2 nd		7. Semester	4 th
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		<p>Profilation of a student to a specialist in integrated fruit growing systems directly applicable in practice.</p> <p>Learning outcomes – The graduate of the subject is able to impelement technological practises of integrated fruit production asserting the established legislative of integrated fruit production.</p>					
14. Description of content		<p>The subject advises students of integrated fruit production systems implementation into the orchards of Slovak republic. Includes the issues of optimal fruit tree growing by thrifty inlets on environment with the emphasis on integrated pest managamant against the most important pest and diseases with the use of automatical meteorological stations and software programmes.</p> <p>Cluster 1: Definition of terms. Aims and denotations of inegrated production. Legislatives in IFP.</p> <p>Cluster 2: Signalizations and prognoses. Function of IT in IFP. Role of pesticides in IFP.</p> <p>Cluster 3: Biological control, natural enemies of pests and diseases.</p> <p>Cluster 4: Integrated production of pome fruits.</p> <p>Cluster 5: Integrated production of stone fruits.</p> <p>Cluster 6: Integrated production of beery fruits and nut fruits.</p>					
15. Basic bibliografy		<p>Ohlendorf, B. 1999. Integrated Pest Management for Apples and Pears, 2nd Edition, University of California, Agricultural and natural resources, ISBN-13: 978-1-879906-42-6, 231pp.</p> <p>Strand, L. 1999. Integrated Pest Management for Stone Fruits, University of California, Agricultural and natural resources, ISBN-13: 978-1-879906-36-5, 264pp.</p> <p>Strand, L. 2008. Integrated Pest Management for Strawberries, 2nd Edition, University of California, Agricultural and natural resources, ISBN-13: 978-1-60107-489-8, 176pp.</p> <p>Strand, L. 2003. Integrated Pest Management for Walnuts-Third Edition, University of California, Agricultural and natural resources, ISBN-13: 978-1-879906-62-4, 136pp.</p>					
16. Envisaged learning outcomes		<i>16.1 Knowledge and understanding</i>		<p>Students will get knowledge on integrated fruit production systems implementation into the orchards of Slovak republic, and optimal fruit tree growing by thrifty inlets on environment with the emphasis on integrated pest managamant against the most important pest and diseases with the use of automatical meteorological stations</p>			

	<i>16.2 Application</i>	Activities will focus on definition of terms. Aims and denotations of inegrated production. Legislatives in IFP, signalizations and prognoses. Function of IT in IFP. Role of pesticides in IFP, biological control, natural enemies of pests and diseases, integrated production of beery fruits and nut fruits, integrated production of pome fruits, integrated production of stone fruits. Methods of integrated systems of fruit production will be oriented toward the future practical activities of graduate students.
	<i>16.3 Reflection</i>	The graduate of the subject is able to impelement technological practises of integrated fruit production asserting the established legislative of integrated fruit production.
	<i>16.4 Transferable skills – not tied to just one subject</i>	This knowledge has applications throughout the integrated system of fruits production, and could extend into food industry.
17. Methods of teaching and learning	Lectures, exercises, 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	doc. Ing. Oleg Paulen, PhD., Slovak University of Agriculture in Nitra	