

<b>1. Title of subject/module/unit</b>		<b>Horticultural dendrology</b>				
<b>2. Unit code</b>	622Z217	<b>3. Number of ECTS credits</b>			5	
<b>4. Contact hours</b>		<b>Total</b>	<b>L</b>	<b>E</b>	<b>S</b>	<b>Other forms</b>
		48	24	24		
<b>5. Cycle</b>	Master's	<b>6. Year</b>	2 <sup>nd</sup>		<b>7. Semester</b>	4 <sup>rd</sup>
<b>8. Study programme</b>		International Master of Horticulture Science		<b>9. Branch of study</b>		
<b>10. Pillar of the programme</b>		Optional		<b>11. Language</b>	English	
<b>12. Special features</b>						
<b>13. Objectives and subject-specific competences</b>		The Horticulture students will learn basic assortment of deciduous, coniferous and evergreen species of decorative plants. They will learn morphological marks, ecological needs and landscape use of the most used decorative, native and introduced woody plant species, forms and cultivars. Students will learn also multiplication, growing methods and use of wide assortment of decorative plants. After completion of the subject the student is able to identify basic assortment of woody plants and their cultivars, understands eco-cultivation needs, and is able to apply knowledge of dendrology in the landscape creation.				
<b>14. Description of content</b>		Terminology related to the field. Morphological, systematic and ecological characteristics of deciduous, evergreen and coniferous domestic and exotic woods. Basic morphological features of trees and their importance for mutual differentiation and systematic distribution. Characteristics and properties of trees, spatial and functional division of trees, the conditions of application and development of healthy plants in horticultural creation.				
<b>15. Basic bibliography</b>		<p>DEBRECZY, Z. -- RÁCZ, I. <i>Conifers around the world (I., II.)</i>. edited by Kathy Musial Budapest : DendroPress Ltd., 2011. Two volumes - 1,089 pages, 474 range maps, 1,300 line drawings, 3,700 color photographs. ISBN 978-963-219-061-7</p> <p>DIRR, M.A. <i>Dirr's Hardy Trees and Shrubs</i>. Timber Press, Portland, 1998. 493 p. ISBN 0-88192-404-0</p> <p>CULLEN, J. <i>Hardy Rhododendron Species</i>. Timber Press, Portland, 2005. 496 p. ISBN 0-88192-723-6</p> <p>Hillier Nurseries, Winchester. <i>The Hillier manual of trees &amp; shrubs</i>. Newton Abbot: David &amp; Charles, 1991.</p> <p>FITSCHEN, J. <i>Gehölzflora</i>. Ed. Franz H. Meyer. Quelle und Meyer, 2002.</p> <p>HARDIN, JAMES W., DONALD J. LEOPOLD, AND FRED M. WHITE. <i>"Textbook of dendrology."</i> New York: McGraw-Hill (2001).</p> <p>HARDIN, JAMES WALKER, DONALD JOSEPH LEOPOLD, AND FRED M. WHITE. <i>Harlow &amp; Harrar's textbook of dendrology</i>. New York: McGraw-Hill, 2001.</p>				
<b>16. Envisaged learning outcomes</b>		<i>16.1 Knowledge and understanding</i>		Students will get knowledge on different characteristics of woody plants and their needs and ways of using.		
		<i>16.2 Application</i>		Activities will focus on terminology related to the field, classification of tree forms, goals of woods using within horticulture creation. Dendrology knowledge will be oriented toward the future practical activities of graduate students.		

	<i>16.3 Reflection</i>	Graduate of the subject is able to identify basic assortment of woody plants and their cultivars, understands eco-cultivation needs, and is able to apply knowledge of dendrology in the landscape creation.
	<i>16.4 Transferable skills – not tied to just one subject</i>	This knowledge has applications throughout the multiplication and conservation of woody plants, and horticultural creation.
<b>17. Methods of teaching and learning</b>	Lectures, excercises.	
<b>18. Conditions for inclusion or to undertake work required</b>	Enrolment in the year of the course.	
<b>19. Methods of assessment and the assessment scale</b>	- Written exam (100%) Evaluation scale: Grades from A (best) to FX (worst)	
<b>20. Method of evaluation of course quality</b>	Student questionnaire.	
<b>21. Curriculum compiler</b>	Ing. Katarína Rovná, PhD., Slovak University of Agriculture in Nitra	