

<b>Study Programme: Agricultural Engineering and Information Systems</b>			
<b>Course Unit Title:</b> Fruit growing and viticulture			
<b>Course Unit Code:</b> 19.PTI019			
<b>Name of Lecturer(s):</b> Borivoje V. Bogdanović and Predrag Božović			
<b>Type and Level of Studies:</b> Undergraduate academic studies			
<b>Course Status (compulsory/elective):</b> Compulsory			
<b>Semester (winter/summer):</b> Summer			
<b>Language of instruction:</b> English			
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face			
<b>Number of ECTS Allocated:</b> 4			
<b>Prerequisites:</b> None			
<b>Course Aims:</b> Acquiring basic knowledge in the field of fruit growing and viticulture. Introduction to biology, ecology, methods of propagation and growing of fruit trees and grapevines. Introduction to species and cultivars of fruit trees as well as to grapevine cultivar assortment. Application of previous knowledge to designing orchards and vineyards.			
<b>Learning Outcomes:</b> Expertise and knowledge in the field of fruit growing and viticulture, and ability to independently design and raise orchards and vineyards.			
<b>Syllabus:</b> <i>Theory</i> Significance of fruit growing and viticulture and production of fruits and grapes in the world and at home. Fruit and grapevine growing regions in Serbia. Classification of fruit trees and grapevines. Ecology of fruit trees and grapevines. Biology of fruit trees and grapevines. Propagation of fruit trees and grapevines and production of planting material. Design of orchards and vineyards. Raising and nurturing orchards and vineyards. Training systems of grapevine and support systems. Fruit species and cultivars. Cultivars and rootstocks of grapevines. Fruit and grape processing. Fruit and grape production. <i>Practice</i> Recognition of fruit species. Presentation of fruit tree and grapevine organs. Recognition of fruit seeds and determination of its purity and germination ability. Different methods of propagation of fruit trees and grapevines - demonstration. Designing a project for raising orchards and vineyards. Formation of training systems in vineyards and support systems. Planting fruit trees and grapevines. Nurturing plantations. Pruning. Determining the time of fruit and grape harvest. Storage of fruits and grapes in a cold store. Presentation of fruit and grape species and cultivars.			
<b>Required Reading:</b> 1. Veličković M., Voćarstvo, Poljoprivredni fakultet, Zemun 2002 2. Kuljančić I. Vinogradarstvo, Prometej, Novi Sad 2008 3. Keserović Z., Korać Nada, Magazin N., Grugurević V., Gvozdenović D., Bijelić S., Vračević B., Proizvodnja voća i grožđa na malim površinama, Univerzitet u Novom Sadu, Poljoprivredni fakultet Novi Sad 2008 4. Marković, N., Nakalemić, A. Opšte vinogradarstvo Poljoprivredni fakultet, Zemun i Zadužbina svetog manastira Hilandara 2009 5. Radivojević, D., Marković, N. Voćarstvo i vinogradarstvo, Univerzitet u Beogradu, Poljoprivredni fakultet, 2015 6. Korać, N., Cindrić, P., Medić, M, Ivanišević, D. Voćarstvo i vinogradarstvo (deo Vinogradarstvo) Univerzitet u Novom Sadu, Poljoprivredni fakultet, 2016			
<b>Weekly Contact Hours:</b>	<b>Lectures: 2</b>	<b>Practical work: 2</b>	
<b>Teaching Methods:</b> Theoretical classes with the use of video presentations and practical classes in a laboratory and in the field.			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	10	written exam	50
Practical work	10	oral exam	20
Preliminary exam(s)	10	.....	
Seminar(s)			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			

