

Study Programme: Fruit science, viticulture and horticulture –module Fruit science and viticulture			
Course Unit Title: Special Fruitgrowing I			
Course Unit Code: 19.VI1008			
Name of Lecturer(s): Zoran Ž. Keserović			
Type and Level of Studies: Undergraduate academic studies			
Course Status (compulsory/elective): Compulsory			
Semester (winter/summer): Summer			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 5			
Prerequisites: Mandatory courses completed			
Course Aims: The aim of the course is to introduce students with pome fruit species and to gain knowledge about the varieties and rootstocks of these fruit species which are significant for fruit growing in Serbia and beyond. Students will be familiar with the latest trends in the assortment of pome fruit and varietal agro-techniques and assistance. Proper selection of fruit species, cultivars and rootstocks is one of the main factors for successful fruitgrowing practice because the wrong choice can not subsequently be changed when it comes to growing crops.			
Learning Outcomes: Based on the acquired knowledge, students will be all able to independently determine which fruit species, cultivars and rootstocks are suitable for planting in certain regions, but also to determine the density of planting, to monitor the yield potential of varieties to determine the growth form of trees, to decide which will be the intensity and way of pruning trees. Acquired knowledge level allows the student to adapt to all pomotechnical measures to selected variety, rootstock and tree shape. Especially fruit growing is of great significance for future professionals whether it be on the individual farm, business or cooperative.			
Syllabus: <i>Theory</i> The purpose of the subject. Botanical and pomological nomenclature. Production of pome fruit species in the world and Serbia. Methodology for studying pome fruit species. Pome fruit species and varieties. Rootstocks for pome fruit species. The growing technology of pome fruit species. <i>Practice</i> Introduction into fruit species. Pomological variety trials. Introducing into the international fruit descriptor lists. Organogenesis of fruit trees. The yield potential of fruit trees. Pruning fruit trees in order to form the crown. Pruning of fruiting trees. Introduction and pomologically description of pome fruit species and cultivars: apples, pears, quince, medlar, rowan and hawthorn.			
Required Reading: 1. Gvozdrenović D., Jabuka. Poljoprivredni fakultet, Novi Sad, 1998. 2. Gvozdrenović D., Gusta sadnja jabuke, kruške i dunje. Prometej, Novi Sad, 2007. 3. Mratinić E., Kruška. Partenon, Beograd, 2000. 4. Stančević A., Dunja, mušmula i oskоруša. NOLIT, Beograd, 1986. 5. Mratinić, E. Dunja. Partenon, Beograd, 2010.			
Weekly Contact Hours:		Lectures: 3	Practical work: 2
Teaching Methods: Lectures, laboratory work, practical training in the fields of experimental and commercial plantations.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Lecture attendance	5	written exam	30
Test	5	oral exam	
Exercise attendance	30	
Test	30		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			