

Study Programme: Fruit science, viticulture and horticulture, module Ornamental horticulture			
Course Unit Title: FRUIT SPECIES IN LANDSCAPE DESIGN			
Course Unit Code: 19.PEJ019			
Name of Lecturer(s): Ass. Prof. Mirjana Ljubojević, PhD			
Type and Level of Studies: UNDERGRADUATE ACADEMIC STUDIES			
Course Status (compulsory/elective): Compulsory			
Semester (winter/summer):winter			
Language of instruction:English			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated:4			
Prerequisites:N/A			
Course Aims: Course aims to mastering the biological and practical basics of fruit science, and apply the acquired knowledge in planning and designing small green areas, backyards and cottages, using continental and introduced subtropical fruit species in the context of integral and organic production.			
Learning Outcomes: Students will be introduced to the most important aspects of fruit production in economic and decorative terms. This includes biology and ecology, agro- and pomo-techniques, varieties and rootstocks of fruit trees, as well as their interaction, combining abilities and ornamental characteristics of decorative forms.			
Syllabus: <i>Theory</i> Introduction. Significance of fruit growing from the economic and dendrological aspect. Adaptability of fruit species, influence of edaphic and climatic factors, geographical position and fruit regions. Biological bases of propagation and production of fruit planting material. Growing periods and biological basis of fruit yield. Classification, design and construction of an orchard in relation to its purpose. Agrotechnics and fruit growing techniques. An integral and organic concept of fruit production. Fruit harvesting, storage and packaging. <i>Practice</i> Designing projects of an amateur orchard of various purposes gradually through exercises where students get acquainted with: Pomological classification of fruit trees; Recognition of fruit species and native twigs of fruit trees; Recognition of vegetative and generative organs in the function of forming decorative forms; propagation of fruit trees; Pomological description of varieties with genetic resistance to parasites and pests; Dwarf fruit species and wild fruit species. Nursing fruit trees. Determination of the moment of harvesting and storing the fruit.			
Required Reading: Lee Reich, Landscaping with fruits, Storey Publishing, 2009.			
Weekly Contact Hours:4	Lectures:2	Practical work:2	
Teaching Methods: Lectures and Practical classes, Consultations if needed.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points

Active class participation	20	written exam	40
Practical work	20	oral exam	
Preliminary exam(s)		
Seminar(s)	20		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			