

Biotechnical Faculty / MEDITERRANEAN FRUIT GROWING / EVERGREEN SUBTROPICAL FRUITS

Course:	EVERGREEN SUBTROPICAL FRUITS			
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exercises+Laboratory)
5996	Mandatory	5	6	3+1+1
Programs	MEDITERRANEAN FRUIT GROWING			
Prerequisites	No			
Aims	Acquaint students with ecological conditions, morphology, physiology, as well as basic agro and technical measures for propagation, raising and cultivation of evergreen subtropical fruits (carob, arbutus unedo, Japanese medlar, feijoa, guava, avocado, passion flower, tamarillo, Phoenix dactylifera, prickly pear).			
Learning outcomes	After passing the exam, the student will be able to: - recognize types of evergreen subtropical fruit - analyzes the ecological conditions, morphology and physiology of these species - produces seedlings - prepares the soil and carries out planting, - performs pruning and other technical and agrotechnical measures - suggests the best ways to store fruits			
Lecturer / Teaching assistant	PhD Momčilo Radulović, MSc Miloš Šturanović			
Methodology	Lectures, exercises, seminar work, colloquiums and final exam.			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Carob. Origin and importance, morphological and physiological characteristics, assortment			
I week exercises	Identification of carob plant by stem, leaf and fruit			
II week lectures	Agroecological conditions, reproduction and agrotechnics of carob			
II week exercises	Production of carob nursery set up plants			
III week lectures	Magainja (Arbutus unedo). Origin and significance, method of exploitation, biology, assortment.			
III week exercises	Tour of the grounds under Arbutus unedo (Magainja)			
IV week lectures	Climate, soil, reproduction and agrotechnics of planica (magainja) - Arbutus unedo			
IV week exercises	Taking shoots to obtain planting material			
V week lectures	Neshpula or Japanese medlar. Origin and significance. Morphological and physiological characteristics			
V week exercises	Analysis of the leaf and flower of the neschupula			
VI week lectures	Assortment, ecology and agrotechnics of neschule			
VI week exercises	Visit to the parks with carob, magaine and neschupula trees			
VII week lectures	Possibilities of production of fruits of organic periwinkle (evergreen) subtropical fruit			
VII week exercises	Holding of the 1st colloquium			
VIII week lectures	Feijoa. Origin and distribution, morphology and physiology			
VIII week exercises	Remedial 1st colloquium and analysis of the results of the 1st colloquium			
IX week lectures	Ecological conditions, assortment and agricultural techniques of feijoa			
IX week exercises	Analysis of feijoa trees, leaves and flowers			
X week lectures	Guava, basic characteristics of the tree and fruit			
X week exercises	Identification of guava based on the appearance of the stem, leaf and fruit			
XI week lectures	Passionflower, basic characteristics of the tree and fruit			
XI week exercises	Production of passionflower planting material (by scarification of cuttings)			
XII week lectures	Avocado, basic characteristics of the tree and fruit			
XII week exercises	Tour of several avocado trees in Bar			
XIII week lectures	Tamarillo, Indian fig and date. Basic characteristics of the tree and fruit			
XIII week exercises	Tasting of prickly pears			
XIV week lectures	Pepino, lychee, longan and anona			

XIV week exercises		Holding of the II colloquium				
XV week lectures		The perspective of growing various types of periwinkle subtropical fruit in our country				
XV week exercises		Remedial II colloquium and analysis of results				
Student workload		Per week 6 credits x 40/30 = 8 hours				
Per week			Per semester			
6 credits x 40/30=8 hours and 0 minuts 3 sat(a) theoretical classes 1 sat(a) practical classes 1 excercises 3 hour(s) i 0 minuts of independent work, including consultations			Classes and final exam: 8 hour(s) i 0 minuts x 16 =128 hour(s) i 0 minuts Necessary preparation before the beginning of the semester (administration, registration, certification): 8 hour(s) i 0 minuts x 2 =16 hour(s) i 0 minuts Total workload for the subject: 6 x 30=180 hour(s) Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) 36 hour(s) i 0 minuts Workload structure: 128 hour(s) i 0 minuts (cources), 16 hour(s) i 0 minuts (preparation), 36 hour(s) i 0 minuts (additional work)			
Student obligations			Students are required to attend classes and exercises			
Consultations			In agreement with the students			
Literature			Radulović M., Šturanović M. (2011): Exotic fruit, Pegaz, Bijelo Polje, Nikolić M., Radulović M. (2010): Subtropical and tropical fruits, 1-285, Čačak., Mčelidze M.S. (1988) Ecology of subtropical plants. , Tbilisi, Georgia, Radulović M. (2020): Subtropical fruits. Script., S.Lazarević(1968): Subtropical Fruiting of Yugoslavia, Institute for Publishing Textbooks, Belgrade, Steven Nagy et.al(1980).: Tropical and subtropical fruit, Florida, USA, ; Francesko Calabrese (1993).: Fruticoltura tropicale e subtropicale, Edagricole, Bologna, Italy, Colo Colov(1985): Fruit production in the tropics and subtropics, Zemizdat, Sofia, Bulgaria,; Elvio Bellini(2002): I frutieri minori in Europea. Edition informatore agrario, Verona, Italy.			
Examination methods			Attendance and activity in class: 10 points Test 2x10 20 points - Colloquium: 2 x 10 20 points - Final exam: 50 points A passing grade is obtained when at least 50 points are collected Grades and points: A (≥ 90 to 100 points); B (≥ 80 to < 90)			
Special remarks			Lectures are conducted in the classroom and on the field			
Comment			Colloquiums are taken in writing, and the final exam is taken verbally			
Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points