Biotechnical Faculty / FIELD AND VEGETABLE CROPS / ORNAMENTAL PLANTS

Course:	ORNAMENTAL PLANTS			
Course ID	**Course status**	**Semester**	**ECTS credits**	**Lessons** (Lessons+Exercises+Laboratory)
13372	Mandatory	3	5	2+2+0
Programs	FIELD AND VEGETABLE CROPS			
Prerequisites	Does not have			
Aims	Students acquire theoretical and practical knowledge about ornamental plants, with an emphasis on flower crops. They are get acquainted with the biological properties and morphological characteristics of the basic types of ornamental plants (dendrological material) and flower cultures, the method of reproduction and the basics of production technology of flower crops. They become familiar with growing and caring for flower crops, as well as with possibilities of their applications			
Learning outcomes	After the passes this exam, student will be able to recognize the important types of ornamental trees and shrubs; to recognize the most important types of flowers, to know the biological and ecological characteristics of the most important flowers/flowering species; to know the contemporary ways of producing the most important flower cultures that are applied on open field and to organize their nursery production.			
Lecturer / Teaching assistant	Dr Jelena Lazarević			
Methodology	Lectures, practical exercises, recognition of plant material, seminar work			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Ornamental plants: importance and application possibilities. Basic division of ornamental plants. The origin of ornamental plants.			
I week exercises	The origin of ornamental plants. Forest vegetation of Montenegro			
II week lectures	Ornamental trees and shrubs. Coniferous species and evergreen deciduous trees			
II week exercises	Morphological characteristics of conifers and evergreen broad-leaved trees			
III week lectures	Ornamental trees and shrubs. Deciduous species			
III week exercises	Morphological characteristics of decorative indoor flowers			
IV week lectures	Flowering plants. Floricultures applied in interior. Basic principles of care for floricultures in a interior.			
IV week exercises	Basics of "arranging" flowers indoors Пошаљи повратне информације Бочне табле Историја Сачувано Допринесите			
V week lectures	Flower crops in outdoors. Annual flowers.			
V week exercises	Morphological characteristics of annual flowers.			
VI week lectures	Biennial flowers			
VI week exercises	Morphological characteristics of biennial flowers			
VII week lectures	Tour of flower distribution centers and markets (field exercises)			
VII week exercises	I colloquium			
VIII week lectures	Perennial flowers			
VIII week exercises	Morphological characteristics of perennials.			
IX week lectures	Roses			
IX week exercises	Morphological characteristics and features of roses.			
X week lectures	Bulbous flower crops			
X week exercises	Morphological characteristics of bulbous flowers			
XI week lectures	Production technology of of ornamental plants.			
XI week exercises	Planning the production process of flower crops			
XII week lectures	Objects of the protected area (greenhouses etc)			
XII week exercises	Tour of flower producers (field exercises). II colloquium			

XIII week lectures	Production of ornamental plants in a protected area. Objects of a protected area, containers and substrates inside protected area
XIII week exercises	Pots and substrates in a protected area.
XIV week lectures	Production of ornamental plants in the open field
XIV week exercises	Examples of irrigation systems, shading during production in the open field.
XV week lectures	Basic principles of green maintenance. Formation and maintenance of flower plantings
XV week exercises	Formation and maintenance of flower plantings, care; practical examples
Student workload	Weekly: Weekly: 5 credits x 40/30= 6 hours and 40 minutes Structure: 2 hours of lectures; 2 hours of exercises; 2 hours and 40 minutes of individual work; During the semester During the semester: Classes and final exam (6 hours and 40 minutes) x 16 = 106 hours and 40 minutes; Necessary preparations (administration, enrollment, semester certification) 2 x 6 hours and 40 minutes = 13 hours and 20 minutes.; Supplementary work for exam preparation in the remedial exam period from 0 to 30 hours; Load structure: 106 hours and 40 minutes (teaching) + 13 hours and 20 minutes (preparation) + 30 hours (additional work).

Per week	**Per semester**
5 credits x 40/30=6 hours and 40 minuts 2 sat(a) theoretical classes 0 sat(a) practical classes 2 excercises **2 hour(s) i 40 minuts** of independent work, including consultations	Classes and final exam: **6 hour(s) i 40 minuts x 16 =106 hour(s) i 40 minuts** Necessary preparation before the beginning of the semester (administration, registration, certification): **6 hour(s) i 40 minuts x 2 =13 hour(s) i 20 minuts** Total workload for the subject: **5 x 30=150 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) **30 hour(s) i 0 minuts** Workload structure: **106 hour(s) i 40 minuts (cources), 13 hour(s) i 20 minuts (preparation), 30 hour(s) i 0 minuts (additional work)**
Student obligations	Students are required to attend classes and exercises
Consultations	Tuesday 11-13, teachers office
Literature	Literature Đurovka M., Lazić B., Bajkin A., Potkonjak A., Marković V., Ilin Ž., Todorović V., 2006, Production of vegetables and flowers in a protected area, Agricultural faculty of Novi Sad, Faculty of Agriculture, Banja Luka; Lazarevic S., 2000. Cultivation and propagation of garden flowers, Small agricultural pharmacy, Nolit, Belgrade Cvijanović D., Bukvić R., Lazarević S., Popović S., Simonovć V., Vujošević A., 2005, Revitalization and improvement of flower production, Institute for Agricultural Economics, Faculty of Forestry, Faculty of Agriculture, Belgrade Vukićević E., 1996: Decorative dendrology, University of Belgrade, Faculty of Forestry, Belgrade
Examination methods	Seminar paper 10 points, colloquium (identification of plant species) 40 (2 x 20) points, final exam 50 points. Grades and points: A (90 to 100 points), B (80 to 90), C (70 to 80), (60 to 70), E (50 to 60), F less than 50.
Special remarks	Lectures are held in the classroom, exercises in the classroom and on the field
Comment	

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