

SYLLABUS

1. Course title:

GARDEN DESIGN AND LANDSCAPE

2. Code:**3. Cycle of study:****4. ECTS credits:****5. Type of course:** Mandatory Elective**6. Prerequisites:**

No prerequisites

7. Class restrictions:

No class restrictions

8. Duration / semester:**9. Weekly contact hours:**

9.1. Lectures:

9.2. Seminars:

9.3. Laboratory/Practice classes:

10. Faculty:

Faculty of Technology

11. Department/study program:

Agronomy

12. Lecturer:**13. Lecturer's e-mail:**

14. Web site:

www.tf.untz.ba

15. Course aims:

Development of general and specific competences of students in the field of floristry, and interactive acquisition of knowledge and skills necessary for independent planning, organization and realization of production and application of ornamental plants.

16. Learning outcomes:

After successfully mastering the course students will be able to:

- apply basic rules and principles for fertilization, protection, harvesting and transport of ornamental plant species
- select and distinguish specific interventions and measures of care in the production processes of a particular plant culture
- design a garden garden model,
- apply appropriate plant species to gardening.

17. Course content:

Introduction to garden design. Development of garden art. Production facilities and surfaces for the production of ornamental plants. Ecological factors of growing ornamental plants. Reproduction of ornamental plants. Nutrition, protection and care of ornamental plants. Types of horticultural soil, substrates for rooting and growing, hormones for rooting. Chemicals for the protection and care of ornamental plants. Classification of floral cultures. Morphological and breeding characteristics of seasonal flowers. Morphological and breeding characteristics of long-lasting flowers. Morphological and breeding characteristics of cut flowers. Morphological and breeding characteristics of bulbous and tuberous flowers. Morphological and breeding characteristics of indoor plants. Morphological and breeding characteristics of shrubs for planting in the garden. Morphological and breeding characteristics of climbing plants, for space design. Morphological and breeding characteristics of ornamental grasses. Morphological and breeding characteristics of aquatic plants. Picking, packing and shipping of flowers. Decorating the interior and exterior with ornamental plants.

18. Learning methods:

- Lectures with the use of multimedia resources, learning techniques, with active participation and discussion of students
- Field exercises

19. Assessment methods:

Knowledge check will be done through two partial tests from the corresponding curricula, after the first half of the semester (first partial test T1) and at the end of the semester (second partial test T2). The individual test consists of 20 questions, and each question carries 1 point. All students take both tests on the course at the same time, thereby achieving uniformity of the level of knowledge that is being tested, as well as the conditions under which the student takes the exam.

The final exam may be written and / or oral, depending on the number of points earned in the prerequisites. At the final exam, students who have won the required number of points can get a final grade. Students who have passed one partial test, will have the remaining part (non-passed part) on the final exam. Students who have not passed any partial test, on the final, or corrective or additional corrective exam, will take the entire exam, which contains the questions of both partial tests.

Students who have not passed the exam in the academic year when they first attended the course, will take the remaining test assignments under the current Act of the University of Tuzla. During the semester students will be given the appropriate topics for creating and oral presentation of the seminar work. The maximum number of credits earned for a successfully created and presented seminar work is 5.

Rating at the exam is based on the total number of points a student earned by completing pre-exam requirements (minimum 28 points) and final exam (minimum 26 points), and according to the quality of the acquired knowledge and skills, and contains a minimum of 54 points or a maximum of 100 points.

20. Assessment components:

The grading on the exam is based on the total number of points the student has obtained by fulfilling the prerequisites and passing the exam, and is determined according to the following scale:

Student obligations	Points (min-max)
- Attendance and activity	(3-5)
- Seminar work	(3-5)
-Test 1	(11-20)
-Test 2	(11-20)
- Total prerequisites	(28-50)
- Final exam	(26-50)

21. Required reading list:

1. Ljujić-Mijatović T. (2004): Atlas cvijeća i ukrasnog bilja. GRIN, Gračanica
2. 1. Ljujić-Mijatović T., Mrdović A. (1998): Proizvodnja cvijeća i ukrasnog bilja. Univerzitetska knjiga, Sarajevo.

22. Web sources:**23. Applicable starting from the academic year:**

2016/17.

24. Adopted in the Faculty/Academy session: