

SYLLABUS

1. Course title:

GENERAL FRUIT GROWING

2. Code:**3. Cycle of study:**

1

4. ECTS credits:

7

5. Type of course: Mandatory Elective**6. Prerequisites:**

No prerequisites

7. Class restrictions:

No class restrictions

8. Duration / semester:

1

6

9. Weekly contact hours:

9.1. Lectures:

3

9.2. Seminars:

0

9.3. Laboratory/Practice classes:

2

10. Faculty:

Faculty of Technology

11. Department/study program:

Agronomy

12. Lecturer:

Zlatko Čmelik, full professor

13. Lecturer's e-mail:

zcmelik@agr.hr

14. Web site:

www.tf.untz.ba

15. Course aims:

- To enable students to understand the morphological characteristics and physiological laws of growth and yield of fruit trees
- Familiarizing specific requirements for the cultivation of certain fruit trees
- Knowing the technology of fruit production (from the production of seedlings, preparing the ground for raising orchards, forming a growing shape, maintaining orchard until fruit harvest)
- Acquisition of the necessary theoretical and practical knowledge necessary for understanding and adopting teaching material from other courses related to fruit trees

16. Learning outcomes:

After successfully mastering the course students will be able to:

- choose appropriate fruit growing systems
- Organize and implement agro-forestry operations during the vegetation
- plan and implement the sequence of specific activities in the fruit growing process
- carry out the resounding of the orchard during the idle period.

17. Course content:

General fruit growing includes chapters of fruit morphology, propagation and ecological conditions for fruit growing, physiology of growth and fertility, and pomotechnical and agrotechnical procedures. Teaching includes lectures and exercises. The student gets the basic knowledge needed to continue studying and understanding other items from the fruit domain and the basic skills to master the technology of fruit production in practice.

18. Learning methods:

The most important learning methods in the course are:

- Lectures with the use of multimedia resources, active learning techniques and with active participation and discussion of students;
- Exercises in practice and in orchards;
- Preparation and presentation of group and individual seminar papers from the subjects that are being discussed in the course.

19. Assessment methods:

After half of the semester, students take the writing test (first test), which includes previously treated topics with lectures and exercises. The test consists of tasks of simple recall or essay tasks. Each answer is scored with 0-3 points, ie, at the first test a student can achieve a maximum of 15 points. After completing the semester, the students take a written test (second test) that covers the topics covered in the lectures and exercises from the second part of the semester. The test consists of tasks of simple recall or essay tasks. Each answer is scored with 0-3 points, ie, at the second test a student can achieve a maximum of 15 points. All students take all three 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. As part of the prerequisites, students are required to prepare individual or group seminar work that will cover a specific topic from the content of the subject. Seminar paper is submitted to the subject teacher in writing or electronic form, for review and evaluation, and then presented orally. In the preparation and presentation of group seminar work all the students of the group participate, whose participation is valorized individually. For the seminar work, the student can achieve 0 to 10 points. Also, for a continuous activity in lectures throughout the semester, the student can achieve 0 to 10 points.

The final exam is oral. The right to go to the final exam are students who have fulfilled their prerequisites.

At the oral exam students answer three questions drawn from the program of the course, treated in lectures and exercises. An oral exam can be passed if the student answers all three questions. The maximum number of points a student can achieve on an oral exam is 49.

Checks on all forms of knowledge are recognized as a cumulative test if the result is positive after each individual check and is at least 50% of the total of the predicted and / or required knowledge and skills.

In order to pass the course, a student must have at least 54 cumulative points of which at least 25 points on the final exam.

20. Assessment components:

The assessment of the exam is based on the total number of points the student has obtained by fulfilling the pre-requisites and passing the exam and is determined according to the following scale:

Student obligations	Points
Presence (classes)	3
Presence (exercises)	3
Student activity	4
Seminar work	10
Mini tests	30
Final exam	50

21. Required reading list:

1. Memić, S. (1999) Osnovi biologije voćaka. Edis, Sarajevo.
2. Lučić, P. i sur. (1996) Voćarstvo I, Birografika, Subotica.

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

2016/2017

24. Adopted in the Faculty/Academy session: