SYLLABUS

1. Course title:

SPECIAL FRUIT GROWING

2. Code:

3. Cycle of study:

1

4. ECTS credits:

6

5. Type of course:

(●) Mandatory ( ) Elective

6. Prerequisites:

No prerequisites

7. Class restrictions:

No class restrictions

8. Duration / semester:

1 7

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:

Introduce students to:
- a pomological classification of fruit trees
- varieties and substrates
- biological characteristics of species and varieties
- technology for growing and planting density
- integral fruit production

16. Learning outcomes:

After completing a course, a student is expected to know, understand and independently:
- distinguish fruit types and know their specificity
- to plan and design a new planting
- to properly determine the composition of varieties in the orchard
- to properly determine and apply the agrotechnics of certain species and varieties
- Properly determine and apply the pomotechnics in planting fruit
- to know the specificity of varieties
- to master the integral fruit production

17. Course content:

Introduction to special fruit growing; Pomological classification of fruit trees; Apple fruit species (systemic site, origin, biological properties, substrates, sortiment, breeding forms, density of planting); Chestnut fruit (systemic site, breakdown, biological properties, substrate, sort, breeding patterns, density of planting); Nuts (systemic site, breakdown, biological properties, substrate, sort, breeding patterns, density of planting); Berry fruit species systemic site, breakdown, biological properties, substrate, sort, breeding patterns, density of planting); Southern fruit types systemic site, breakdown, biological properties, substrate, sort, breeding patterns, density of planting); Picking, sorting and packaging of fruit; Fruit storage.

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;
- Auditive exercises;
- Field exercises
- Preparation and presentation of group and individual seminar papers

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 10 questions. Each answer is scored with 1 point, ie, at the first test a student can achieve a maximum of 10 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 10 questions. Each answer is scored with 1 point, ie, at the first test a student can achieve a maximum of 10 points. 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.
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 5 points. Also, for a continuous activity in lectures throughout the semester, the student can achieve 0 to 5 points. After the completion of the exercise, a colloquium will be organized, and on the colloquium, students can earn 0 to 10 points. The final exam is oral. 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 oral 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 contains a maximum of 100 points and is determined according to the following scale:

Student obligations	Points
Presentation (lectures)	5
Presence (exercises)	5
Student activity	5
Seminar paper	5
Mini tests	30
Final exam	50

21. Required reading list:

1. Milošević,T.(1997) Specijalno voćarstvo, Čačak:
2. Bubić,Š. (1977) Specijalno voćarstvo, Sarajevo: Svjetlost
3. Šoškić,M. (2008) Savremeno voćarstvo, Beograd: Partenon
4. Miljković,I. (1991) Suvremeno voćarstvo, Zagreb:Znanje

22. Web sources:

23. Applicable starting from the academic year:

2016/2017

24. Adopted in the Faculty/Academy session: