

SYLLABUS

1. Course title:

PHYTOPATHOLOGY

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

1

4. ECTS credits:

5

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

No prerequisites

7. Class restrictions:

No class restrictions

8. Duration / semester:

1

5

9. Weekly contact hours:

9.1. Lectures:

2

9.2. Seminars:

0

9.3. Laboratory/Practice classes:

2

10. Faculty:

Faculty of Technology

11. Department/study program:

Agronomy

12. Lecturer:

Jasenska Ćosić, full professor

13. Lecturer's e-mail:

jasenska.cosic@pfos.hr

14. Web site:

www.tf.untz.ba

15. Course aims:

Acquiring knowledge of plant pathogens, biology, epidemiology and the way of suppression.

16. Learning outcomes:

After successfully passing the course student will be able to:

- Identify symptoms in diseased plants (abiotic and biotic causes)
- Describe and identify systematic units of fungi
- Explain the impact of environmental factors on disease pathogens
- Choose the appropriate way to fight plant parasites
- Identify and describe the most important pathogens of the disease
- Group and propose protection measures

17. Course content:

Introduction to phytopathology. The causes of plant diseases and their characteristics. Nonparasitic diseases. Plant resistance to pathogens. Symptoms of plant diseases. Pathogenesis. Epidemic and prognosis of plant diseases. Measures of suppression. Diseases of vegetable, vegetable and ornamental plants, fruit trees and grapevines. Laboratory exercises: Introduction to the basic properties of microorganisms, plant pathogens. Getting acquainted with laboratory equipment and devices. Microscopes and microscopy.

18. Learning methods:

The most important learning methods in the subject are:

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

19. Assessment methods:

After the first third of the semester, students take the first written test, which includes previously treated topics with lectures and exercises. The test consists of multiple choice tasks, simple retrieval tasks, and descriptive tasks. A student can score up to 25 points in the first test. After completing the second third of the semester, students take the second written test, which includes topics with lectures and exercises from that part of the semester. The test consists of multiple choice tasks, simple retrieval tasks, and descriptive tasks. A student can score up to 25 points in the second test. After the end of the third third of the semester, students take the third written test, which includes topics with lectures and exercises from that part of the semester. The test consists of multiple choice tasks, simple retrieval tasks, and descriptive tasks. A student can score up to 25 points in the third test. 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. To pass the test a student must have a minimum of 50% points of the total number of points.

For a continuous activity on lectures and exercises throughout the semester, the student can achieve 0 to 10 points. Upon completion of the semester, the student takes the final exam where he can win a maximum of 15 points.

20. Assessment components:

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

Student obligations	Points
Attendance at lectures	3
Attendance at exercises	3
Student activity	4
Tests I, II and III	75
Final exam	15

21. Required reading list:

1. Agrios (1997): Plant pathology 4th edn. Academic Press, California
2. Stojanović, S. (2004.): Poljoprivredna fitopatologija. Srpsko biološko društvo Stevan Jakovljević, Kragujevac.

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

2016/2017

24. Adopted in the Faculty/Academy session: