

SYLLABUS

1. Course title:

PLANT PROTECTION

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:

3

9.2. Seminars:

0

9.3. Laboratory/Practice classes:

2

10. Faculty:

Faculty of Technology

11. Department/study program:

Agronomy

12. Lecturer:

Karolina Vrandečić, associate professor

13. Lecturer's e-mail:

karolina.vrandecic@pfos.hr

14. Web site:

<http://www.tf.untz.ba>

15. Course aims:

Acquisition of basic knowledge in phytopathology, entomology and herbology.

16. Learning outcomes:

After successfully mastering the course students will be able to:

- Describe the basic form of fungi, bacteria and viruses
- To describe the structure of insects
- Describe the basic characteristics of the weed
- Explain various plant protection systems; Integrated, conventional and ecological
- Explain the principles of prognosis of disease and pests
- Explain various protective measures

17. Course content:

Introduction to plant protection, the importance of plant protection, pest species in plant production, morphology and insect anatomy - insect external and internal organs, reproduction and development of insects, parasitic and parasitic diseases of plants, triangle of diseases, fungus, bacteria and viruses, weeds; division, method of reproduction and the critical period of weed infestation, plant protection measures - agro-chemical, quarantine, physical, biological, biotechnical, chemical measures for plant protection, advantages and disadvantages, plant protection systems - integrated, conventional and ecological, forecast of pest outbreaks, rating the intensity of pest attacks and classification of plant protection products.

18. Learning methods:

The following activities of successful learning are planned:

Concrete experience, observation and reflection and active discussion. Learning styles are preferred: visual style, auditory, verbal and stand alone. The most important learning methods in the subject are: lectures using multimedia resources, active learning techniques and active participation and discussion of students.

19. Assessment methods:

After the first half of the semester, students take the first written test, which includes previously treated topics from lectures and exercises. The test consists of simple retrieval tasks and descriptive tasks. Each correct answer is scored with 1 point, ie, a student can achieve a maximum of 40 points in the first test. After completing the second half 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 simple retrieval tasks and descriptive tasks. Each correct answer is scored with 1 point, ie, a student can achieve a maximum of 50 points in the second test.

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.

At the end of the semester a final test is organized according to the same principle as the partial tests, with the complete teaching material included. Final exams can be accessed by students who have not passed all partial tests, or those who have passed them but are not satisfied with the grade.

20. Assessment components:

The exam rating is based on the total number of points the student has obtained by completing the pre-requisites and the final exam and contains a maximum of 100 points and is determined according to the following scale:

Student obligations	Points
Attendance at lectures	3
Attendance at exercises	3
Student activity	4
Tests I and II	60
Tests total	30

21. Required reading list:

1. Ćosić, J., Vrandečić, K. (2014): Fungicidi u zaštiti bilja i rezidue. Poljoprivredni fakultet Sveučilišta J.J.Strossmayer u Osijeku
2. Agrios (2005): Plant pathology 5h edn. Academic Press, California

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

2016/2017

24. Adopted in the Faculty/Academy session: