

Course Unit Descriptor

Study Programme: Agronomy (Forestry)			
Course Unit Title: Forest pathology			
Course Unit Code: 19. AGR133			
Name of Lecturer(s): dr Milica Zlatković, dr Predrag Pap			
Type and Level of Studies: PhD			
Course Status (compulsory/elective): elective			
Semester (winter/summer): winter			
Language of instruction: English/Serbian			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 7			
Prerequisites: none			
Course Aims: To gain knowledge on disease symptoms of forest and shade trees as well as seedlings in nurseries; life cycle of main disease-causing agents, methods of pathogen identification and possibilities of disease control.			
Learning Outcomes: Early detection, identification, and control of the most important causative agents of tree diseases in forests and urban areas.			
Syllabus: <i>Theory</i> Gaining knowledge on diseases of trees in forest stands, forest plantations, urban areas as well as forest and ornamental tree nurseries, including methods of pathogen identification, pathogen life cycle, and disease control options. <i>Practice</i> Pathogen detection, disease symptoms, preparation of culture media, isolation of pathogens from symptoms, long-term storage of pathogenic fungi, bacteria and pseudo-fungi, morphological characterization, and molecular identification of pathogens using multigene phylogeny.			
Required Reading: Agrios, G. 2005: Plant pathology, 5th edition, Academic press, 952 pp. Tomiczek, C., Diminić, D., Cech, T., Hrašovec, B., Krehan, H., Pernek, M., Perny, B., 2007: Bolesti i štetnici urbanog drveća (Diseases and insect pests of urban trees), Šumarski Institut, Jastrebarsko, Šumarski fakultet Sveučilišta u Zagrebu, 370 str.			
Weekly Contact Hours:	Lectures: 4	Practical work: 0	
Teaching Methods: Lectures, demonstrations of certain teaching units, seminar essay			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	0	written exam	0
Practical work	0	oral exam	70
Preliminary exam(s)	0	
Seminar(s)	30		

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.