

Course Unit Descriptor

Study Programme: Phytomedicine			
Course Unit Title: WEEDS IN THE URBAN ENVIRONMENT			
Course Unit Code: 19.FT2004			
Name of Lecturer(s): Assoc. Prof. Milena Popov, PhD; Teaching Assistant Tijana Stojanović, MSc			
Type and Level of Studies: Undergraduate academic studies			
Course Status (compulsory/elective): Compulsory			
Semester (winter/summer): Winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 4			
Prerequisites: The student is supposed to have passed the final exam of the course The basics of herbology prior to taking the final exam			
Course Aims: The recognition of the economically most important weed species of the ruderal habitats.			
Learning Outcomes: The students which have passed the course Weeds in the urban environment will be able to correctly identify the economically most important weeds of the ruderal habitats in the early, as well as in later stages of development, which is the base knowledge a student should have in order to choose the appropriate control measures, as well as the time of their application.			
Syllabus: <i>Theory</i> Weed communities in the urban areas. Weed communities of the protected areas. The characteristics of the ruderal flora and vegetation. The classification of the antropophytes and allochthonous plant species. The state of the allochthonous plant species after the introduction. The positive effects of the urban weeds. The negative effects of the urban weeds. The urban weeds as the source of the allergens. The examination of the weeds “seed bank” in the ruderal and urban areas. The strategy of the weed seeds sampling. The importance and the types of the “seed bank”. Spatial distribution. Seed germination. The modeling of the germination percentage and intensity. The germination periods. The influence of the abiotic and biotic factors on the emergence and spreading of the weeds. Indirect and direct measures for weed control in the urban environment, ruderal habitats, lawns, horticulture and nursery production, as well as the irrigation and drainage canals. Soil sterilization. Biological control of the weeds. The introduction of the information technology. <i>Practice</i> The basic biological characteristics of the important ruderal weeds. The study and research work will teach the students to recognize the weed species and identify the weeds taxonomy by using the determination keys. The examination of the “seed bank” in the ruderal habitats.			
Required Reading: Konstantinović, B. (2008): Korovi i njihovo suzbijanje, Poljoprivredni fakultet, Novi Sad Konstantinović, B. (2011): Osnovi herbologije i herbicidi, Poljoprivredni fakultet, Novi Sad Konstantinović, B. (2014): Osnovi herbologije i korovi urbanih sredina, Poljoprivredni fakultet, Novi Sad Konstantinović, B., Popov, M., Samardžić, N. (2021): Osnovi herbologije. Praktikum, Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad.			
Weekly Contact Hours:	Lectures: 3	Practical work: 2	
Teaching Methods: Lectures and Practical classes			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
colloquium	20	oral exam	60
tests	20		