

Study Programme: PHYTOMEDICINE		
Course Unit Title: Applied herbology		
Course Unit Code: 19.FTM042		
Name of Lecturer(s): Full Prof. Bojan Konstantinović, PhD; Assoc. Prof. Milena Popov, PhD; Assoc. Prof. Nataša Mandić, PhD		
Type and Level of Studies: Master 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: 5		
Prerequisites: -		
Course Aims: Acquiring the knowledge on weeds of annual and perennial phytocenoses, as well as on possibilities for their control.		
Learning Outcomes: The acquired knowledge of this course presents an upgrade of the previously gained knowledge from the field of weed vegetations of cultivated plants, as well as their precise management during production.		
Syllabus:		
<i>Theory</i>		
Main biological properties of the weed plants. Requirements of phytosanitary services for propagation of plant material with ways and possibilities of plants sanitation. Domestic and international laws on quarantine control. Obligatory control of quarantine weeds and control methods. Phytosanitary certification. Autoecology of the weed plants. Light and weeds. Temperature and its importance for weeds. Water regime of weed species. Air as the ecological factor for weed plants. Soil and weeds. Biotic factors. Anthropogenic factors and weed plants. Joint effect of ecological factors on the weeds. Weed synergy. Relationship between the agrophytocenoses and environment. Classification of the agrophytocenoses. Distribution of the plant communities. Overview of the agrophytocenoses in our country. Importance of the knowledge on agrophytocenoses and agroecosystems for choice and rational application of weed control measures, control of the pests and disease agents. Methods for studying and mapping of the phytocenoses. Integrated protection and biological control of the weeds. Control of the weedy vegetation in organic production.		
<i>Practice</i>		
Application of the methods related to the preparation of a seminar paper. Interpretation of the results obtained using different research methods.		
Required Reading:		
Konstantinović, B. (2008): Korovi i njihovo suzbijanje, Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad.		
Konstantinović, B. (2011): Osnovi herbologije i herbicidi, Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad.		
Konstantinović, B. (2014): Osnovi herbologije i korovi urbanih sredina, Univerzitet u Novom Sadu, 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: 2+2	Lectures: 30	Practical work: 30
Teaching Methods:		

Lectures and Practical classes.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	Points 50	Final exam	Points 50
Preliminary exam(s)	10	oral exam	50
Seminar (s)	40		