

Study Programme: PHYTOMEDICINE		
Course Unit Title: Applied herbology		
Course Unit Code: 19.FTM042		
Name of Lecturer(s): Assoc. Prof. Bojan Konstantinović, PhD; Assoc. Prof Milena Popov, PhD; Asst. Prof. Nataša Samardžić, PhD		
Type and Level of Studies: Master academic studies		
Course Status (compulsory/elective): compulsory		
Semester (winter/summer): summer		
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 phytocenosis, as well as on possibilities for their control.		
Learning Outcomes: The acquired knowledge of this course represents an upgrade of the previously gained knowledge from the field of weed vegetations of cultivated plants, as well as their precise protection during production.		
Syllabus:		
<i>Theory</i>		
<i>Main biological properties of 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 weed plants. Light and weeds. Temperature and its importance for weeds. Water regime of weed species. Air as ecological factor for weed plants. Soil and weeds. Biotic factors. Anthropogenic factors and weed plants. Joint action of ecological factors to weeds. Weed synergy. Relationship between agro-phytocenosis and environment. Classification of agro-phytocenosis. Distribution of plant communities. Overview of agro-phytocenosis of our country. Importance of knowledge on agro-phytocenosis and agro-ecosystem for choice and rational application of weed control measures, control of pests and disease agents. Methods for studying and mapping of phytocenosis. Integrated protection and biological control of weeds. Control of weedy vegetation in organic production.</i>		
<i>Practice</i>		
<i>Application of methods related to the preparation of a seminar paper. Interpretation of results obtained using different research methods.</i>		
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.		
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		