

Study Programme: FIELD AND VEGETABLE CROPS
Course Unit Title: PHYTOPHARMACY AND WEED CONTROL
Course Unit Code: 19.RIP015
Name of Lecturer(s): Prof. Slavica Vuković, PhD; Ass. Prof. Bojan Konstantinović, PhD;
Type and Level of Studies: UNDERGRADUATE ACADEMIC STUDIES FIELD AND VEGETABLE CROPS
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: None
Course Aims: The identification of the most economically important weed species in field and vegetable crops and the possibilities of their control, as well as the basic properties of the pesticides (formulation, mode of action, the conditions of the application, the effects and consequences of the application).
Learning Outcomes: The students who have passed the subject Phytopharmacy and weed control will be able to determine and identify economically important weed species in field and vegetable crops, as well as the most effective manner and time of their control, based on the acquired knowledge. Also, they will get the basic knowledge of the Phytopharmacy concerning the properties of the pesticides, the conditions and the manner of application, as well as their possible consequences in field and vegetable crops production.
Syllabus: <i>Theory</i> <i>The indirect and direct measures of weed control. The economic injury level. The critical period of weediness. The weeds and their control in small grains, maize, sunflower, soybean, oilseed rape, sugar beet, vegetable crops (division according to the purpose; physico-chemical and biological properties). The ways and the application conditions, as well as the effects estimation depending on the purpose of the pesticide application. The seed treatment, the conditions for the pesticides mixing, the significance and the role of the biopesticides and the non-pesticide matters, the consequences of the plant protection products application and the conditions for forming the application strategy.</i> <i>Practice</i> <i>The positive and negative effects of the weeds. The recognition of the weed seedlings. The methods for the weed determination. The presentation of the most important weed species in field and vegetable crops production. The study of the biological efficacy of the herbicides by the EPPO methods application. The determination of the toxicity and efficacy of the plant protection products; the quality of the treated seeds; phytotoxicity; the conditions for mixing pesticides and non-pesticide matter; the importance of the strategy in the plant protection products application.</i>
Required Reading: 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. Indić, D., Vuković, S. (2012): Praktikum iz Fitofarmacije (fungicidi, zoocidi), Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad. Janjić V. (2005): Fitofarmacija, Društvo za zaštitu bilja Srbije, Beograd.

Weekly Contact Hours: 4+2	Lectures: 60		Practical work: 30
Teaching Methods: Lectures and Practical classes.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	Points 30	Final exam	Points 70
Active class participation	10	oral exam	70
Colloquium	20		