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| Course: | APPLIED HERBOLOGY |
| Course id: 3МFM1О04 |
| Number of ECTS: 5 |
| Teachers: | Konstantinović I. Branko, PhD, professor; Konstantinović B. Bojan, MSc, assistant; Popov M. Milena, MSc, assistant |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures: 2 | Practical classes: 2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

Acquiring the knowledge on weeds of annual and perennial phytocenosis, as well as on possibilities for their control. |
| 1. Educational 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 |
| 1. Course content

*Theoretical classes*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. *Practical classes:* All practical classes are based upon individual work with the aim of gaining detailed knowledge on morphology, histology, physiology and ecology of weeds and cultivated plants. Herbicide selectivity based upon phenological, morphological, anatomical-histological and other differences between cultivated plants and weed species. Life forms of weed species. Ecological indexes. Sinecology of weeds. |
| 1. Teaching methods

Theoretical lessons –verbal, textual and demonstrative-illustrative methods. Practical classes performed by visual methods in laboratory and in the field. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Lecture attendance | Yes | 10 | *Oral exam*  | Yes | 30 |
| Test | Yes | 40 |  |
| Exercise attendance | No |  |
| Colloquium- | Yes | 20 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Konstantinović, B. | Poznavanje i suzbijanje korova | Univerzitet u Novom Sadu, Poljoprivredni fakultet | 1999 |
|  | Konstantinović B., Stojanović S., Meseldžija M. | Biologija, ekologija i suzbijanje korova | Univerzitet u Novom Sadu, Poljoprivredni fakultet | 2005 |
|  | Konstantinović B., Bošković J. | Biotehnologija u zaštiti bilja | Univerzitet u Novom Sadu, Poljoprivredni fakultet | 2001 |
|  | Konstantinović, B. | Korovi i njihovo suzbijanje | Univerzitet u Novom Sadu, Poljoprivredni fakultet | 2008 |
|  | Konstantinović, B. | Osnovi herbologije i herbicidi | Univerzitet u Novom Sadu, Poljoprivredni fakultet | 2011 |

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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationMASTER ACADEMIC STUDIES IN PLANT MEDICINE |
| Table 5.2 Course specification |