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| Course: | *Ampelography and Grapevine selection*3ОВВ7О27*6* |
| Course id: |
| Number of ECTS: |
| Teacher: | Nada S. Korać, Dragoslav M. Ivanišević |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures: 4 | Practical classes: 2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | Passed all the exams of general viticulture courses from previous school year. |
| 1. Educational goal

The goal of course is that students acquire knowledge and ability to implement methods for ampelographic, agrobiological and technological analysis and characterization of *Vitis* genus and its grapevine cultivars. Gaining of knowledge and implementation of the methods used in breeding programmes with the aim of improvement of already existing assortment, improvement of productivity traits of the cultivars used in production and production of new grapevine varieties and rootstocks. |
| 1. Educational outcomes

By acquiring the aforementioned knowledge, students will be able to analyze chose and determine species and cultivars of grapevine, and furthermore be able to work in breeding programs in the field of viticulture. |
| 1. Course content

Theory lessons The term of ampelography and systematics of grapevine. Species of the genus *Vitis*. Methods of ampelographic description of varieties and their applications. Ampelographic scheme. The application of descriptors of OIV, UPOV and IBPGR and special software. Methods of molecular biology in ampelography. Methods of analysis of agribiological characteristics of varieties. Analysis of production and technological properties. Grape and berry analysis. Microvinification. Ampelography collections. Introduction of grapevine cultivars. Clone selection. Hybridization (objectives, methods, results). The inheritance of traits in vines. Interspecies hybridization (objectives, results).Practical classesPractical lessons are done through exercises where students independently apply methods of ampelographic analysis and selection of available material in ampelography collection at the experimental field of the Department situated in Sremski Karlovci. |
| 1. Teaching methods

Lectures and practical classes with contemporary approach in classrooms and at the Ampelography collection in Sremski Karlovci. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam  | Mandatory | Points |
| Lecture attendance | Yes | 5 | *Oral part of the exam* | Yes | 30 |
| Exercise attendance | Yes | 5 |  |
| Test | Yes | 40 |
| Seminar | Yes | 20 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Cindrić, P., Korać, Nada, Kovač, V. | Sorte vinove loze (Metode i rezultati ispitivanja) | Prometej, Novi Sad | 2000 |
|  | Mišić, D. P. | Specijalno oplemenjivanje voćaka | Institut za istraživanja u poljoprivredi Srbija I Partenon, Beograd | 2002 |
|  | Žunić. D., Garić, M. | Posebno vinogradarstvo. Ampelografija 1 | Univerzitet u Beogradu, Poljoprivredni fakultet, Beograd - Zemun | 2010 |

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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationUNDERGRADUATE ACADEMIC STUDIES *Fruit Growing and Viticulture* |
| Table 5.2 Course specification |