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| Course: | *Stone fruit species* |
| Course id: 3MВВ1И02 |
| Number of ECTS: 6 |
| Teacher: | Vladislav M. Ognjanov, Mirjana Ž. Ljubojević, Goran Ž. Barać |
| Course status | Elective  |
| Number of active teaching classes (weekly) |
| Lectures: 2 | Practical classes: 2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None/navesti ako ima |
| 1. Educational goal

The aim of the course is to observe scion/rootstock/environmental condition interactions from the multidisciplinary aspect. |
| 1. Educational outcomes

By passing the exam in this course, student should be able to define the complexity of realization of genetic gain from new stone fruit varieties and rootstocks introduced from different world breeding programs.  |
| 1. Course content

Theory lessons:Results on new varieties and rootstocks in plums, peaches, apricots, cherries and almonds from foreign and domestic breeding programs. Physiological and biological characteristics of varieties and rootstocks in relation to pedigree and geographical origin and their importance in the realization of the genetic potential of the yield. The introduction of new varieties and rootstocks based on agro-climatic characteristics of major fruit producing regions in Serbia and micro-climate characteristics of the area. Selection of varieties in accordance to contemporary market demands.Practical lessons:Introduction to the properties of the newly introduced varieties and rootstocks of peach, apricot, cherries and almonds from foreign and domestic breeding programs Application of international descriptors for description and determination of stone fruit varieties and sensory evaluation of fruit quality (external appearance and taste).Other forms of teaching: Search literature data for a seminar paper. Study research work. Preparation and defense seminar paper. |
| 1. Teaching methods

Classes are performed interactively in the form of lectures, exercises and practical classes. Lectures expressed in the theoretical part are followed by characteristic examples for easier understanding of the material. In addition to lectures consultations are regularly organized. Presentations from lectures are available to students in electronic form. Parts of the material divided in logistic complexes, can be passed during the teaching process through tests. Each test shall be prepared in the form of a written test. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Lecture attendance | Yes | 10 | *Theoretical part of the exam/Oral part of the exam* | Yes | 40 |
| Test | Yes | 20 |  |
| Exercise attendance | Yes | 10 |
| Term paper | Yes | 20 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Desmond Layne and Danielle Bassi | The Peach: botany, production and usses | CABI Publishing | 2008 |
|  | Jules Janick and Robert Paull | The Encyclopedia of fruits and nuts | CABI Publishing | 2008 |
|  | Inger Hjalmarsson and Lidija Tomić | Balkan pomology - Plums | SEEDNet working group for fruit and vitis | 2012 |

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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 *Fruit and vine growing*  |
| Table 5.2 Course specification |