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| Course: | *Special Fruitgrowing I* |
| Course id: |
| Number of ECTS: 5 |
| Teacher: | Zoran Ž. Keserović, Nenad P. Magazin |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures: 3 | 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 introduce students with pome fruit species and to gain knowledge about the varieties and rootstocks of these fruit species which are significant for fruit growing in Serbia and beyond. Students will be familiar with the latest trends in the assortment of pome fruit and varietal agro-techniques and assistance. Proper selection of fruit species, cultivars and rootstocks is one of the main factors for successful fruitgrowing practice because the wrong choice can not subsequently be changed when it comes to growing crops. |
| 1. Educational outcomes

Based on the acquired knowledge, students will be all able to independently determine which fruit species, cultivars and rootstocks are suitable for planting in certain regions, but also to determine the density of planting, to monitor the yield potential of varieties to determine the growth form of trees, to decide which will be the intensity and way of pruning trees. Acquired knowledge level allows the student to adapt to all pomotechnical measures to selected varietiy, rootstock and tree shape. Especially fruit growing is of great significance for future professionals whether it be on the individual farm, business or cooperative. |
| 1. Course content

Theoretical teachingThe purpose of the subject. Botanical and pomological nomenclature. Production of pome fruit species in the world and Serbia. Methodology for studing pome fruit species. Pome fruit species and varieties. Rootstocks for pome fruit species. The growing technology of pome fruit species.Practical teaching: Introduction into fruit species. Pomological variety trials. Introducing into the international fruit descriptor lists. Organogenesis of fruit trees. The yield potential of fruit trees. Pruning fruit trees in order to form the crown. Pruning of fruiting trees. Introduction and pomologically description of pome fruit species and cultivarsi: apples, pears, quince, medlar, rowan and hawthorn. |
| 1. Teaching methods

Lectures, laboratory work, practical training in the fields of experimental and commercial plantations |
| 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 |
| Test | Yes | 5 |  |
| Exercise attendance | Yes | 20 |
| Seminar | Yes | 40 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Adamič, F. i sar.  | Jugoslovenska pomologija | Zadružna knjiga Beograd | 1963 |
|  | Gvozdenović, D. i sar. | Jabuka | Poljoprivredni fakultet, Novi Sad | 1998 |
|  | Milovankić, M. | Autorizovana skripta, I i II deo | Poljoprivredni fakultet, Novi Sad | 1984 |
|  | Gvozdenović, D., | Gusta sadnja jabuke, kruške i dunje | Prometej, Novi Sad | 2007 |
|  | Keserović, Z., Vračević (Milić), B., Magazin, N., Kurjakov, A. | Priručnik za proređivanje plodova jabuke | Poljoprivredni fakultet, Novi Sad | 2009 |
|  | Stančević A. | Dunja, mušmula i oskoruša | NOLIT, Beograd | 1986 |
|  | Mratinić, E. | Kruška | Partenon, Beograd | 2000 |

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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 Science and Viticulture)**)* |
| Table 5.2 Course specification |