|  |  |
| --- | --- |
| Course: | *Varietal agrotechnics* |
| Course id: 3MВВ1И06 |
| Number of ECTS: 6 |
| Teacher: | Ivan D. Kuljančić |
| Course status | Elective |
| Number of active teaching classes (weekly) 2 |
| Lectures: 30 | Practical classes: 30 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | Grapevine biology and reproduction, Grapevine growing and technology |
| 1. Educational goal

the education and training of master students in the field of grapes varietal agrotechnics. Candidate should be based registry study of literatures and scientific works, to expand knowledge with the special cultivar demands in the fields of agro and phytotechnics. |
| 1. Educational outcomes

the formation of professionals with academic qualifications, which has an extended knowledge in relation to the knowledge acquired at the undergraduate studies. Student must be prepared to upgrade his knowledge, in the field of agro and phytotechnics (summer pruning), in both, theoretical and practical work, and especially on the terrain, in the vineyard. He must be prepared to resolve a large number of particular cultivar demands for summer pruning, in order to provide longevity of the vineyard, high, quality and stabil yields of grapes.  |
| 1. Course content

Agrotechnic measures: special cultivar demands towards pruning and binding, shallow and deep soil cultivation depending on root spreading, fertilization and irrigation depending on cultivar and rootstock, harvesting depending on cultivar.Phytotechnics: deshooting of different cultivars, shoot positioning depending on cultivar, toping of young shoots to achieve additional grape yield, toping and hedging (shortening of main shoots and laterals) depending on cultivar, defoliation depending on cultivar.Practical work: laboratory exercise, terrain exercise, research workAgrotechnic and phytotechnic measures practical performing in the vineyard at the Experimental field, Soil cultivation, soli fertilization and irrigation, harvesting depending on cultivar. |
| 1. Teaching methods

Lectures, Practice/ Practical classes, Consultations, study, research work…  |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Lecture attendance | Yes/No | 20 | *Theoretical part of the exam/Oral part of the exam* | Yes | 40 |
| Test | Yes/No |  |  |
| Exercise attendance | Yes/No | 20 |
| Term paper | Yes/No | 20 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Ivan D. Kuljančić | Vinogradarstvo - Vinova loza ta božanska biljka | Prometej Novi Sad | 2007/2008. |
|  | Nebojša Marković, Aleksandar Nakalamić | Opšte vinogradarstvo | Poljoprivredni fakultet Zemun i Zadužbina manastira Hilandara | 2009. |
|  | Petar Cindrić, Nada Korać, Vladimir Kovač | Sorte vinove loza | Prometej, Novi Sad | 1994, 2000. |

|  |  |  |
| --- | --- | --- |
| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Fruit growing and viticulture MASTER ACADEMIC STUDIES (*Fruit and vine growing)*  |
| Table 5.2 Course specification |