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| Course: | *Diseases and pests of fruits and grapevine* |
| Course id: 3OVV5O19 |
| Number of ECTS: 5 |
| Teacher: | Jelica S. Balaž Mila S. GrahovacRadmila S. Almaši Aleksandra M. Popović |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures: 4x15=60 | Practical classes: 2x15=30 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | Passed colloquium; certified practical classes attendance  |
| 1. Educational goal

Acquiring basic knowledge on diseases and pests, as well as their control in fruit and grapevine production. |
| 1. Educational outcomes

The acquired knowledge presents the basis for disease diagnosis/detection of pest presence, application and management of plant protection measures in fruit and grapevine production with an aim to reduce losses and use of chemical control products. |
| 1. Course content

*Lectures:* General section:Significance of plant diseases and pests in fruit and grapevine production. Disease causal agents (basic characteristics of phytopathogenic fungi, bacteria, viruses and phytoplasmas).Specific section: economically the most important diseases and pests of pome, stone, small fruits, nuts and grapevine (economic significance, distribution, symptoms, morphological characteristics and biology, epidemiology and control measures).*Practical classes:* economically the most significant diseases and pests of pome, stone, small fruits, nuts and grapevine (symptoms, morphological characteristics and biology, phytopathogenic fungi – isolation and cultural characteristics, microscopic inspection of vegetative and reproductiove structures; phytopathogenic bacteria – isolation and cultural characteristics; viruses: isolation/inoculation). |
| 1. Teaching methods

Lectures, Practical classes, Consultations, Research work |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Activity during lectures | Yes | Up to 5 | *Oral exam* | Yes | 50 |
| Test regarding material from lectures | Yes | Up to 20 |  |
| Practical classes attendance | Yes | Up to 5 |
| Test regarding material from practical classes (colloquium) | Yes | Up to 20 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Delibašić G., Babović M. | Opšta fitopatologija - praktikum | University of Belgrade, Faculty of Agriculture | 2006 |
|  | Ivanović, M., Ivanović D. | Bolesti voćaka i vinove loze i njihovo suzbijanje | University of Belgrade, Faculty of Agriculture | 2005 |
|  | Almaši R., Injac M., Almaši Š. | Štetni i korisni organizmi jabučastih voćaka | Aleks print, Novi Sad | 2004 |
|  | Tanasijević N., Simova-Tošić, D. | Posebna entomologija | Naučna knjiga, Beograd | 1987 |
|  | Group of authors | Štetočine u biljnoj proizvodnji prvi i drugi deo | University of Novi Sad, Faculty of Agriculture | 1967 |

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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationBACHELOR STUDIES OF FRUIT AND GRAPEVINE PRODUCTION |
| Table 5.2 Course specification |