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| Course: | *Plant Growth Regulators in Fruit Production* |
| Course id: 3MВВ1О06 |
| Number of ECTS: 6 |
| Teacher:  | Zoran Ž.Keserović, Nenad P. Magazin |
| Course status | Mandatory for the module Fruit Growing |
| Number of active teaching classes (weekly) |
| Lectures:3 | Practical classes:2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

The goal of the course is to familiarize students with the theoretical basis on practical application of plant growth regulators in fruit production according to the latest findings. Knowledge could be further used in practice and scientific research. |
| 1. Educational outcomes

Students will be able to apply plant growth regulators in the production of planting material with the aim of obtaining fruit trees with feathers, as well as to form a selected shape of the cown, to regulate the yield of fruits of excellent quality by knowing all factors that influence the effect of the chemicals. |
| 1. Course content

Theory lessonsClassification of plant growth regulators.Theoretical basis on application of plant growth regulators in the production of planting material. Theoretical basis on application of plant growth regulators in establishing the training system. Theoretical basis on application of plant growth regulators for chemical thinning. Theoretical basis on application of plant growth regulators to prevent fruit drop. Theoretical basis on application of plant growth regulators in improving quality of fruit. Theoretical basis on application of plant growth regulators for storage of fruit.Practical classesOther methods of teaching, Students research work. Determination of the moment of application, rates and doses of chemicals. Factors affecting the activity of the plantg rowth regulators. |
| 1. Teaching methods

Lectures, work in the classroom and laboratory, practical training in the experimental fields |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Lecture attendance | Yes | 10 | *Oral part of the exam* | Yes | 30 |
| Test | Yes | 10 |  |
| Exercise attendance | Yes | 30 |
| *Seminar* | Yes | 20 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Srivastava, M.,L. (2002): Plant growth and development. Academic Press |
|  | Ferre D.C., Warrington I.J. Apples: Botany, Production and Uses. Willingford, Oxfordshire, UK, CABI Publishing: 77 |
|  | Keserović, Z., Vračević (Milić), B., Magazin, N., Kurjakov, A. Priručnik za proređivanje plodova jabuke. Poljoprivredni fakultet, Novi Sad, 2009. |
|  | Milić B, Keserović Z, Dorić M, Magazin N, Gošić J. Primena regulatora rasta biljaka u voćarskoj proizvodnji. Poljoprivredni fakultet, Novi Sad, 2013. |
|  | Magazin N, Keserović Z, Milić B, Dorić M, Gošić J. Berba i čuvanje plodova jabuke iz integralne proizvodnje. Poljoprivredni fakultet, Novi Sad, 2013 |

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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 |