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| Course: | *Sustainable cropping systems* |
| Course id:3МОП1О02 |
| Number of ECTS: 6 |
| Teacher: | Doc dr. Srdjan Šeremešić |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures:3 | Practical classes:1 | Other teaching types: | Study research work:1 | Other classes: |
| Precondition courses | None/navesti ako ima |
| 1. Educational goal

This subject provides comprehensive understanding of the agronomic concepts that support sustainable food production. |
| 1. Educational outcomes

Students should demonstrate knowledge in distinguishing the components of the sustainability, which will enable them to analyze and understand the problems that can arise in the process of safe food production. At the end of the course student will develop skills to convert conventional into sustainable systems. |
| 1. Course content

Common ground between agronomy and ecology. Historical development of ecological methods of agriculture. Introduction of sustainability in agriculture. Basic concepts of sustainable cropping systems in field crop production. Overview of the sustainable cropping system (organic agriculture, biodynamic agriculture, agroecology, integral production, low input etc.).  |
| 1. Teaching methods

Lectures, Practical classes, Consultations, Research work, Seminar papers |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Lecture attendance | Yes | 5 | Oral part of the exam | Yes | 45 |
| Test | Yes | 30 |  |
| Exercise attendance | Yes |  |
| Seminar | Yes | 20 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Miguel Altieri  | Agroecology: The Science of Sustainable Agriculture | Westview Press | 1995 |
|  | Stefan R. Gliessman | Agroecology: ecological processes in sustainable agriculture | CRC Press | 1997 |
|  | Frencis C. et al.  | Agroecology: The Ecology of Food Systems | Jurnal of Sustainable Agriculture | 2003 |
|  | Adel El Titi | Soil Tillage in Agroecosystems | CRC Press | 2002 |
|  | Milošev, D., Šeremešić, S. | Agroecology (Handbook) | Faculty of Agriculture, UNS | 2010 |

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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 *Organic Agriculture* |
| Table 5.2 Course specification |