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| Course: | Mechanization for the ecology field crop production ЗМPT1I015 |
| Course id: |
| Number of ECTS: |
| Teacher: | **Јан, Ј, Туран** |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures: 2 | Practical classes: 2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None/navesti ako ima |
| 1. Educational goal

To train the students for the selection, development and rational use of mechanization in sustainable poljporivredi, primarily in organic food production |
| 1. Educational outcomes

After passing this course, students will gain knowledge and skills to design, selection, adjustment and rational exploitation of specific machines for organic production of safe food in the concept of sustainable agriculture. |
| 1. Course content

Mechanization preventive lot of negative external influences. Development and application of machinery for soil tillage crop production in the ECO. Development and application of mechanization for fertilization in crop production EKO. Specifics performance of working groups and assemblies planter for ecological farming production. Development and application of intelligent tiller in broadcast crops for the reduction and complete izostvljanjem herbicides. Highly productive harvesters and their specificity in organic crop production. |
| 1. Teaching methods

Teaching will be carried out with the use of video lectures, presentations, simulations and demonstration exercises in laboratory and field conditions. In addition performing its calculations will be necessary in the form of mathematical exercises, preparation of laboratory and term papers, use of measuring instruments and measurement laboratorijkism and field conditions, as well as consultations during lectures, exercises and preparing for the exam. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Lecture attendance | Yes | 5 | *Theoretical part of the exam/Oral part of the exam/Written part of the exam-tasks and theory* | Yes | 60 |
| Test | Yes | 5 |  |
| Exercise attendance | Yes | 15 |
| *Test, Term paper* | Yes | 15 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Harms, H. Meier, F. | Agricultural Engineering  | VDMA Landtechnik | 2006 |
|  | Бабовић Ј. Лазић, Бранка, Малешевић, М, Гајић, Ж.:  | Агробизнис у еколошкој производњи хране | Научни институт за ратарство и повртарство, Нови Сад | 2005 |
|  | Веселинов, Б., Мартинов, М., Бојић, С.: | Машине за биосистеме | Факултет техничких наука у Новом Саду | 2009 |
|  | Меши, М.: | Пољопривредне машине | Пољопривредни факултет у Новом Саду | 2012 |
|  | Николић Р., Савин Л., Фурман Т., Томић М., Радојка Глигорић, Симикић М.: | Испитивање трактора према правилима ОЕCD-а | Пољопривредни факултет у Новом Саду | 2006 |
|  | Поничан, Ј., Коренко, М. | Stroje pre rastlinnú výrobu | Slovenská pol'nohospodárska univeryita v Nitre, Nitre | 2008 |

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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationGRADUATE MASTER STUDIES Agricultural engineering |
| Table 5.2 Course specification |