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| Course: | *Information Technology in Agribusiness* |
| Course id: 3MAE1I05 |
| Number of ECTS: 6 |
| Teacher: | Tihomir S. Zoranović |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures: 2 | Tutorials: 2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

Introducing students to information and communication technologies, methods, procedures, practices and computer programmes for secure data manipulation. |
| 1. Educational outcomes

Students will be able to recognise and mathematically define problems, and to select the tools for logical data structuring in the field of agriculture. |
| 1. Course content

*Theoretical Instruction*Information resources, information systems, computer systems, infrastructure, computer networks, data bases, data security, electronic business.*Practical Instruction: tutorials, other forms of instruction, study research work*Analysis of information systems, computer systems, examples of computer networks, forming data bases, data protection methods, structure and mode of functioning of electronic business and electronic commerce. |
| 1. Teaching methods

Lectures, tutorials and consultations. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam  | Mandatory | Points |
| Lecture attendance | Yes/No |  | *Oral part exam* | Yes | 30 |
| Test | Yes/No |  |  |
| Tutorials attendance | Yes/No |  |
| Seminar paper | Yes/No | 70 |
| Methods of testing students’ knowledge can vary. The methods presented in the table are some of the options (written exam, oral exam, project presentation, seminar papers, etc.). |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Zoranović T., Hotomski P., Jeftić Vesna | Unapređenje prikupljanja podataka u poljoprivredenoj proizvodnji upotrebom savremenih softverskih rešenja | Agroekonomika br. 37-38, 2008, 67-74, Poljoprivredni fakultet Novi Sad, Srbija. YU ISSN 0350-5928 | 2008 |
|  | Zoranovic, T., Berkovic, Ivana, Letic, D. | Specijalizovani model za optimizaciju ratarske proizvodnje,  | Agroekonomika br 41-42, Poljoprivredni fakultet Novi Sad, str. 116-125, 2009 | 2009 |
|  | Zoranović T., Potkonjak Svetlana | Informacioni sistemi u službi poljoprivrednog savetodavstva | Agroekonomika br. 47-48, Poljoprivredni fakultet, Novi Sad, 105-110, 2010 | 2010 |
|  | Zoranović, T., Novković, N. | Software for managing cattle production for the client PIK Bečej AD, Bečej. The technical solution developed within the project TR13013 “Web Portals for Data Analysis and Extension” financed by the Ministry for Science and Technological Development of the Republic of Serbia, 2010. |  | 2010 |
|  | Zoranović T., Potkonjak Svetlana | Izbor sistema za navodnjavanje primenom višekriterijumskog metoda ELECTRE | Agroekonomika, Poljoprivredni fakultet, Novi Sad, 2011, str. 66-74, YUISSN 0350-5928 | 2011 |