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| Course: | Planning and projecting |
| Course id: 3ОАЕ8О32 |
| Number of ECTS: 5 |
| Teacher: | Nebojša Đ. Novković |
| Assistant: | Nataša B. Vukelić |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures: 4 | Tutorials: 3 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

Acquiring knowledge about planning and projecting in agriculture, food industry and agritourism. Mastering the concepts related to the terminology about planning and methods and techniques of planning and projecting in agri-industrial businesses. |
| 1. Educational outcomes

Students will be capable of preparing business plans (long-term, medium-term, annual and operational), and economic evaluation of investment projects. Students will also master the classical methods of planning, methods of optimisation (LP) and network programming (SRM). |
| 1. Course content

*Theoretical Instruction*Introduction, planning; forecasting; planning decisions; projecting; methods of planning; application of linear programming in agriculture; models of LP in agriculture; visiting agricultural institutions and learning about preparation of different types of plans and projects.*Practical Instruction*During the tutorials, students work on their assignments related to application of methods used in planning and projecting of agricultural production (methods of linear programming and network programming, as well as methods for evaluating investments). They work on concrete examples from case studies for preparing business plans, setting organisational structure and analysing and planning business systems in agricultural business.  |
| 1. Teaching methods

Lectures using video beam. Active work with students during tutorials. Work in a computer lab with the software package for linear programming. Professional visits to business systems in agri-industrial businesses. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam  | Mandatory | Points |
| Lecture attendance | Yes/No | 5 | *Written exam* | Yes | 20 |
| *Oral exam* |  | 30 |
| Practical work | Yes/No | 5 |  |
| Test(s) | Yes/No | 20 |
| Seminar paper | Yes/No | 20 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Novković, N. | Planiranje i projektovanje u poljoprivredi – drugo, izmenjeno i dopunjeno izdanje | Poljoprivredni fakultet, Novi Sad | 2003 |
|  | Novković, N., Rodić Vesna, Vukelić Nataša | Linearno programiranje – primeri i zadaci | Univerzitet u Novom Sadu, Poljoprivredni fakultet | 2008 |