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| Course: | *Management of Fruit Growing and Viticultural Production* |
| Course id:3ОАЕ5О23 |
| Number of ECTS:5 |
| Teacher: | Dušan B. Milić; Mirjana Ž. Lukač-Bulatović |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures:3 | Tutorials:2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

To provide students with a better insight into necessary skills needed for managing interactions in fruit and viticulture production and processing as an integral part of the complex and dynamic food production system as a whole.  |
| 1. Educational outcomes

To enable achieving maximum profits and constant growth and development of fruit and viticulture production and processing by constant establishing and creation of optimal organization, and optimal combination of production factors.  |
| 1. Course content

*Theoretical instruction*Importance and characteristics of fruit and viticulture production. Efficiency factors of fruit production. Organizing land areas in fruit and viticulture production. Choosing production structure in fruit and viticulture production. Organization and economics of some lines in fruit and viticulture production. Organizational and economic features of orchard and vineyard establishment. Assessing the value of fruit trees. Organizing the most important work processes in fruit and viticulture production. Association forms in agriculture (fruit and viticulture production). Picking, preserving and packing fruit. Organizational and economic aspects of fruit processing. Organizational and economic aspects of grapes processing. Quality management in fruit production and processing.*Practical instruction*The concept and significance of perennial plantations: specific features of fruit and viticulture production, introduction to fruit and viticulture production, journal of plantation history, data needed to plan costs of work and material, making technological chart of plantation establishment and regular fruit and viticulture production, fertilization plan, assessing economic efficiency and cost of work for some growing forms. Capacity and volume planning in fruit and viticulture production: area planning, yield planning, planning processing capacity needs. Making business plan. Organizational and economic aspects of fruit and grapes processing: fruit and grapes processing capacities, semi-processed and final products made of fruit and grapes, using by-products in fruit and grapes processing industry. Applying contemporary mathematical and statistical methods in fruit and viticulture production – production functions, linear programming, network planning, transportation problem.  |
| 1. Teaching methods

Lectures, PowerPoint presentations. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam  | Mandatory | Points |
| Seminar paper | Yes/No | 20 | *Written exam**Oral exam* | Yes | 3030 |
| Case Study | Yes/No | 10 |  |
| Business plan analysis | Yes/No | 10 |
|  | Yes/No |  |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Milić D.,Kalanović Bulatović Branka, Veljković Biljana | Menadžment i organizacija voćarsko-vinogradarske proizvodnje | Agronomski fakultet, Čačak | 2013 |
|  | Sredojević Zorica | Troškovi bezbednosti i kvaliteta hrane | Poljoprivredni fakultet, Beograd | 2011 |
|  | Milić D., Popović N., Lukač Bulatović Mirjana | Economic Aspects of Organic Production Development, Contemporary agriculture Vol.59, No.3-4,(p.242-249) | Faculty of Agriculture, Novi Sad | 2010 |
|  | Milić D.,Kalanović Bulatović Branka, Trmčić Snežana | Menadžment proizvodnje voća i grožđa, monografija | Poljoprivredni fakultet, Novi Sad | 2009 |
|  | Werth, K. | Colour and Quality | Association of South Tyrolean Fruit Growers’ Cooperatives, Terlan | 2009 |