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| Course: | | *Economic Effects of Using Renewable Energy Resources* | | | | | | | | | | |
| Course id: 2MRR2I43 | |
| Number of ECTS: 5 | |
| Teacher: | | Vladislav N. Zekić, Nedeljko LJ. Tica, Dragan Milić | | | | | | | | | | |
| 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 the basics of making and controlling investment project and business plans. | | | | | | | | | | | | |
| 1. Educational outcomes   Candidates will be capable of making and controlling investment project and business plans. | | | | | | | | | | | | |
| 1. Course content   *Theoretical Instruction*  Sources of biomass available for energy production; Possibilities for energy exploitation of biomass; Direct combustion of biomass; Biomass briquetting; Biomass gasification; Biogas production; Biodiesel production; Production of bioethanol.  Analysing economic justification for using crop residues as an energy source; The method of cost calculation; Identification of certain categories of costs; Cost calculation of using power machines and implements; Depreciation costs; Interest costs on used assets; Maintenance and repair costs for power machines and implements; Operating costs; Costs of storage for power machines and implements; Insurance costs for power and auxiliary machines; Costs of taxes, fees and other costs of using power machines and implements; Calculation of costs of materials; Calculation of labour costs; Costs of salaries for full-time employees; Cost of wages for seasonal workers.  Assessing economic effects of using straw of small grains for energy; The place of crop residues in the system of environmental protection; Prospects of using crop residues as an energy source.  *Practical Instruction*  Study research work  Making cost calculations | | | | | | | | | | | | |
| 1. Teaching methods   Traditional lectures and seminar papers. | | | | | | | | | | | | |
| Knowledge evaluation (maximum 100 points) | | | | | | | | | | | | |
| Pre-examination obligations | | | | Points | | Final exam | | | | Points | | |
| Lecture attendance | | | | 15 | | *Oral exam* | | | | 30 | | |
| Practical work | | | | 15 | |  | | | | | | |
| Seminar papers | | | | 40 | |
|  | | | |  | |
| Literature | | | | | | | | | | | | |
| Ord. | Author | | Title | | | | | Publisher | | | | Year |
|  | Zekić, V., Tica, N. | | | | Ekonomska opravdanost korišćenja žetvenih ostataka kao izvora energije *(monograph)* | | | Poljoprivredni fakultet Novi Sad | | | | 2010 |
|  | Ilić, M. isar | | | | Energetski potencijali karakteristike ostataka biomase i tehnologije za njenu pripremu i energetsko iskorišćenje u Srbiji *(study)* | | | Institutzanuklearnenauke “Vinča” | | | | 2002 |
|  | Krmpotić, T. isar. | | | | Menadžmentpoljoprivrednihmašina | | | UniverzitetuNovomSadu, EkonomskifakultetSubotica | | | | 1997 |
|  | Marko, J., Jovanović, M., Tica, N. | | | | Kalkulacijeuproljoprivredi | | | Poljoprivrednifakultet, NoviSad | | | | 1998 |