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| Course: | **Methods of Scientific Research** |
| Course id:2МRR1I07 |
| Number of ECTS: 4  |
| Teacher: | Professor Emeritus Marija Kraljević Balalić, PhD; Professor Radovan Pejanović, PhD |
| 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 goals Acquiring the knowledge about the individual planning and conducting of research in the field of biotechnical, social and agrieconomic sciences.  |
| 2.Educational outcomesSkills for the individual planning and conducting of research in the abovementioned fields, composing master’s thesis, writing scientific papers and project proposals.  |
| 3.Course content*Theoretical instruction*Principles of scientific research. Methods of scientific research. Study and overview of literature. Field selection and theme and research goal definition. Planning, methodology and conducting scientific research. Research monitoring. Data gathering, analysing and displaying. Processing of research results. Principles of writing scientific papers. Elements of a written scientific paper. Types, classification and valuation of scientific papers. Scientist valuation criteria. Writing and elements of a Bachelor’s thesis and doctoral dissertation. Presentation techniques. Scientific paper reviews. Scientific research projects. Means of formulating and adjusting research to topical trends. Data storage and intellectual property protection. Collecting, recording and citing of scientific literature. Classification of scientific papers. Demonstration of selected techniques for sample collecting and analysing. Simulation of project planning, creating and implementing. Data and result processing, displaying and presenting.  |
| 4.Teaching methodsLectures and research preparations by means of contemporary equipment and specialist teachers. Examination of theoretical knowledge. Individual problem-solving during lectures. Consultations about theoretical lectures and seminar paper preparations. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam  | Mandatory | Points |
| Lecture attendance | Yes/No | **-** | Oral exam | Yes/No | **50** |
| Practical work | Yes/No | **-** |  |
| Tests | Yes/No | **-** |
| Seminar paper | Yes/No | **50** |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
| 1. | Borojević, S. | Metodologija eksperimentalnog naučnog rada | Radnički Univerzitet „Radivoj Ćirpanov”, Novi Sad | 1978 |
| 2. | Sarić, M. | Opšti principi naučnog rada | Naučna knjiga, Beograd | 1985 |
| 3. | Sarić, M. | Opšti principi naučno-istraživačkog rada | Institut za istraživanja u poljoprivredi „Srbija“, Beograd | 1996 |
| 4. | Pejanović, R. | Uvod u naučni metod, priručnik | Poljoprivredni fakultet, Novi Sad.  | 2009 |
| 5. | Pejanović, R. | Uvod u metodologiju ekonomskih nauka | Poljoprivredni fakultet, Novi Sad. | 2010 |