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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Sciences and MathematicsDepartment of Biology and Ecology |
| **GENERAL INFORMATION** |
| Study program  | Biology |
| Study Module (if applicable) | / |
| Course title | Biological control of pest insects (BDI208) |
| Level of study | [ ] Bachelor [ ]  Master’s [x]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [ ]  Autumn [x] Spring |
| Year of study  | first |
| Number of ECTS allocated | 7 |
| Name of lecturer/lecturers | Vladimir A. Žikić |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [x] Laboratory work [ ]  Project work [x]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Getting introduced with the most important groups of pest insects and their natural enemies.Acquiring of knowledge on the various mechanisms of biological control of pest insects in forestry and agroecosystems.  |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| The main groups of pest insects in forestry, agricultural fields and orchards: Leaf miners and root borers (Diptera, Lepidoptera and Coleoptera), leafroller and gipsy moths (Lepidoptera), xylophagous insects, pests of wood industry (Coleoptera), green aphids, bugs, psyllids and cicadas (Hemiptera), trips (Tysanoptera) and others.Getting acquainted with the biology and life cycles of insects used in biological control – predators and parasitoids. Lacewings (Neuroptera); ladybugs (Coleoptera); Ichneumonidae, Braconidae, Chalcididae, Encyrtidae, Eulophidae and other (Hymenoptera); assassin bugs (Reduviidae, Hemiptera), hoverflies (Syrphidae, Diptera).Examples of successful pest management worldwide. |
| **LANGUAGE OF INSTRUCTION** |
| [x] Serbian (complete course) [ ]  English (complete course) [ ]  Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)[x] Serbian with English mentoring [ ] Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** | **/** | **Written examination** | **20** |
| **Seminar** | **20** | **Oral examination** | **30** |
| **Teaching colloquia** | **30** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |