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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | **Faculty of Philosophy** |
| **GENERAL INFORMATION** |
| Study program  | **Philosophy** |
| Study Module (if applicable) |  |
| Course title | Logic I |
| Level of study | ☒Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☒ Obligatory☐ Elective |
| Semester  | ☒ Autumn ☐Spring |
| Year of study  | II |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | Goran Ružić |
| Teaching mode | ☒Lectures ☐Group tutorials ☐ Individual tutorials☐Laboratory work ☐ Project work ☐ Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *The aim of this course is to introduce students to syntax and semantics of the propositional logic, as well as to provide them with decisive methods of determining the properties and relations of the propositions and sets of propositions. The purpose of this course is to give students a basic knowledge of system of natural deduction.*  |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| These are the main topics of the course:The syntax of the propositional logic language. Methods of determining formal properties and relations between propositions and sets of propositions (tautologies, contradictions, contingencies, inconsistency, semantic consequences): truth-tables and truth-trees. Basics of the system of natural deduction. Translating from natural language to the language of the propositional logic, and vice versa. Cantor’s notions of cardinality and countability. Mathematical induction. |
| **LANGUAGE OF INSTRUCTION** |
| ☒Serbian (complete course) ☐ English (complete course) ☐ Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)☐Serbian with English mentoring ☐Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** |  | **Written examination** |  |
| **Practical teaching** | 20 | **Oral examination** | 30 |
| **Teaching colloquia** | 50 | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |