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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Pedagogical faculty in Vranje | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | Technical Education and Informatics | | |
| Study Module (if applicable) | | | | / | | |
| Course title | | | | Practicum of Informatics Education | | |
| Level of study | | | | ☐Bachelor ☒ Master’s ☐ Doctoral | | |
| Type of course | | | | ☐ Obligatory ☒ Elective | | |
| Semester | | | | ☐ Autumn ☒Spring | | |
| Year of study | | | | Fourth | | |
| Number of ECTS allocated | | | | 5 | | |
| Name of lecturer/lecturers | | | | Prof. dr Nela Malinović-Jovanović, associate professor | | |
| Teaching mode | | | | ☒Lectures ☐Group tutorials ☒ Individual tutorials  ☐Laboratory work ☒ Project work ☐ Seminar  ☐Distance learning ☐ Blended learning ☐ Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| ***Acquiring knowledge necessary for understanding:*** *innovative teaching methods and methods for their interpretation; components of methodical analysis of informatics class; contemporary taxonomies of aims and objectives of teaching; methodology of development criterion-referenced tests; planning of teaching and curriculum development; methods of theoretical analysis of educational research; problem solving and strategies for his solution.*  ***By the and of the course students are expected to have following knowledge, skills and understanding:*** *apply innovative teaching methods in the classroom; are competent for didactically-methodical, pedagogically-psychological and methodical analysis of informatics class; comprehend contemporary taxonomies of aims and objectives in the cognitive domain and apply them for constructing criterion referenced tests; are capable for plan teaching and constructing operational lesson plans; analyze curricula and textbooks of informatics from 5th to 8th grade of primary school; comprehend problem solving tasks and their importance for teaching informatics; are able to formulate informatics issues in accordance with some of contemporary taxonomies of aims and objectives of teaching.* | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| 1. **Methodical analysis of informatics class** 2. **Planning teaching and preparation of operational lesson plans** 3. **Informatics curriculum for primary school and educational standards for the end of compulsory education** 4. **Method of theoretical analysis of educational research** 5. **Characteristics of a good textbook** 6. **Theoretical analysis of textbooks and Informatics curriculum from 5th to 8th grade of primary school** 7. **Taxonomy of aims and objectives of teaching** 8. **Constructing IT tasks in accordance with the taxonomic model of aims and objectives of teaching** 9. **Criterion-referenced tests** 10. **Problem solving and strategies for problem solving** | | | | | | |
| **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** |
| **Students practical teaching informatics in the classroom** | **50** | | **Written examination** | | | **20\*** |
| **Methodical analysis of informatics class** | **10** | | **Oral examination** | | | **10** |
| **Construction of criterion-referenced tests** | **10** | |  | | |  |
| **Teaching colloquia** | **20\*** | | **OVERALL SUM** | | | **100** |
| **\*Passing the teaching colloquia released students of the written examination** | | | | | | |