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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**
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| **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** |