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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 | Teaching Informatics |
| Level of study | ☐Bachelor ☒ Master’s ☐ Doctoral |
| Type of course | ☒ Obligatory ☐ Elective |
| Semester  |  ☒ Autumn ☐Spring |
| Year of study  | Fourth |
| Number of ECTS allocated | 8 |
| 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:*** *psychologically-logical basis and didactically-methodical components of teaching informatics; methods of teaching contents of teaching informatics; different models of lesson plans for teaching informatics.****By the and of the course students are expected to have following knowledge, skills and understanding:*** *comprehend the process of constructing and forming informatics concepts; be familiar with the aims and objectives of informatics education; know mental development and characteristics of particular stages of child and adolescent development; comprehend the teaching principles and basic aspects of conclusions in informatics; know methods for instruction and could apply them in the teaching informatics; comprehend the essence, specifics and the legality of teaching informatics; know innovative teaching methods in informatics; overcome the forms of contemporary organization of teaching informatics; analyze the informatics subject from the 5. to 8. grade of primary school as a methodical transformation of the informatics content; apply the methodology of processing content in the teaching informatics; apply acquired knowledge through writing lesson plans for implementation of informatics teaching contents; integrate informatics and other subjects related contents; devise materials to motivate students for learning informatics; systematize planned teaching contents and are capable for the improvement of informatics teaching educational practice.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| 1. **Informatics as a scientific discipline, as a teaching subject, teaching informatics.**
2. **Psychologically-logical basis of teaching informatics.**
3. **Didactically-methodical basis of teaching informatics.**
4. **Planning of teaching. Preparing teachers for writing lesson plans.**
5. **Verifying accomplishments in teaching informatics (components of the evaluation of students, evaluation criteria and standards.**
6. **Innovative teaching methods in informatics.**
7. **Teaching principles, methods of instruction and teaching devices.**
8. **Methods of teaching informatics content (The structure of the computer. Educational software. Operating systems. Standard software: word processing, spreadsheets, presentations, databases, technical drawing. Computer networks, Internet and e-mail).**
9. **Ability to integrate informatics content and other subject domains.**
10. **Informatics and techniques. Education using a computer in a variety of domains.**
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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** |
| **Activity during lectures** | **10** | **Written examination** | **50\*** |
| **Practical teaching** | **10** | **Oral examination** | **30** |
| **Teaching colloquia** | **50\*** | **OVERALL SUM** | **100** |
| **\*Passing the teaching colloquia released students of the written examination** |