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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | Pedagogical Faculty Vranje |
| **GENERAL INFORMATION** |
| Study program  | Primary School Teaching |
| Study Module (if applicable) | / |
| Course title | Informatics |
| Level of study | ☒Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | $☒$ Obligatory☐ Elective |
| Semester  | ☐ Autumn $☒$Spring |
| Year of study  | First |
| Number of ECTS allocated | 4 |
| Name of lecturer/lecturers | Milena Bogdanović, Ph.D |
| Teaching mode | $☒$Lectures ☐Group tutorials ☐ Individual tutorials$☒$Laboratory work $☒$ Project work $☒$ Seminar☐Distance learning $☒$ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Acquiring basic knowledge about the historical development of computational resources, the emergence and development of computer systems, computer architecture, the basic organizational units of the computer, the types and importance of operating systems on the organization, protection and maintenance of the data, multimedia and hypermedia, the educational software, the Internet and Internet services, and services, of electronic databases as sources of information on the opportunities provided by the operating system Windows XP, MS Office (Word, Excel, Power Point), Internet Explorer and other web browsers, and develop the ability to use computers and the implementation and verification of knowledge in practice. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Historical development of computers, informatics as a scientific discipline, basic IT concepts (binary representation of information, presentation of alphanumeric symbols, images and sound), architecture and operation of computers, basic organizational unit, CPU, motherboard, input units, output units, input-output units, Multimedia devices, Concept and types of operating systems, operating systems command and graphical type of organization of data for export, the file system, physical and logical organization of data, protection of data, Multimedia and hypermedia - basic terms. the text - fonts, font types, introduction and edit text, Multimedia and hypermedia - image, sound, animation, video, MS Office, Educational software, Internet and Intranet sites - communication media, computer networks, Internet services, electronic mail, WWW, hypertext, hypermedia, electronic databases as sources of information. |
| **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** | **20** |
| **Practical teaching** |  | **Oral examination** | **30** |
| **Teaching colloquia** | **40** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |