|  |
| --- |
|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Science and Mathematics |
| **GENERAL INFORMATION** |
| Study program  | **Physics** |
| Study Module (if applicable) |  |
| Course title | Chapters of Didactics and Physics Education |
| Level of study | ☐Bachelor ☐ Master’s ☒ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  |  ☒ Autumn ☐ Spring |
| Year of study  | 1 |
| Number of ECTS allocated | 15 |
| Name of lecturer/lecturers | Ljubiša D. Nešić |
| Teaching mode |  ☒Lectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☒ Project work ☒ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Development students competences for modern forms of teaching physics. Deepening of conceptual understanding of the basic notions of physics and their epistemological and methodological aspects. Introducing with new results of research in the field of didactics of physics.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Subject of study and objectives of didactics of physics. Didactical systems. Problem-solving approach in teaching physics. Inductive and deductive approach in teaching. Didacticical principles in the physics education. Specifics of teaching physics and the its relationship with other subjects. Innovations in physics teaching. Work with talented students. A review of major global projects in physics education. Analysis of program physics as a school subject. The development of physics program in primary and secondary schools and colleges.** |
| **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** | **20** | **Written examination** |  |
| **Practical teaching** |  | **Oral examination** | **60** |
| **Teaching colloquia** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |