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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Sciences and Mathematics |
| **GENERAL INFORMATION** |
| Study program | **Chemistry** |
| Study Module (if applicable) |  |
| Course title | Physics |
| Level of study | ☒ Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☒ Obligatory ☐ Elective |
| Semester  |  ☒ Autumn ☐Spring |
| Year of study  | I (First) |
| Number of ECTS allocated | 7 (seven) |
| Name of lecturer/lecturers | Suzana Stamenković/Marjan Stankov |
| Teaching mode |  ☒ Lectures ☐Group tutorials ☐ Individual tutorials ☒ Laboratory work ☐ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *An extension of the basic knowledge of general physics course for a better understanding of the chemical and physico-chemical phenomena. Students should understand the basic physical principles and be able to use the acquired knowledge in the study of physical phenomena in chemistry.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Physical quantities and units of measure. Mechanics and dynamics of material point and rigid body. Gravitation. Oscillations and waves. Fluid mechanics (statics and dynamics). Heat and temperature. The electromagnetic phenomena. Optical phenomena. Physics of atoms and atomic phenomena. |
| **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** | **5** | **Written examination** |  |
| **Practical teaching** | **15** | **Oral examination** | **40** |
| **Teaching colloquia** | **40** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |