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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Faculty of Medicine | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | **Integrated academic studies of pharmacy** | | |
| Study Module (if applicable) | | | |  | | |
| Course title | | | | PHYSICS | | |
| Level of study | | | | ☐Bachelor x Master’s ☐ Doctoral | | |
| Type of course | | | | x Obligatory☐ Elective | | |
| Semester | | | | x Autumn ☐Spring | | |
| Year of study | | | | I | | |
| Number of ECTS allocated | | | | 5 | | |
| Name of lecturer/lecturers | | | | Jovanović Tatjana, Jovanović Bratislav | | |
| Teaching mode | | | | xLectures xGroup tutorials ☐ Individual tutorials  xLaboratory work ☐ Project work ☐ Seminar  ☐Distance learning ☐ Blended learning ☐ Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| *Theoretical classes: a student should gain knowledge of the basic laws of physics and their application;*  *Practical classes: a student gain knowledge necessary for practical, lab work, learning about the various methods of measurement of physical parameters;*  *Through calculation tasks, a student encounters many practical applications of theoretical knowledge through calculation tasks.*  *A student should gain basic knowledge in physics, to be used in other courses and in the practice of pharmacy.* | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| **The course of PHYSICS involves the following areas:**   * **Clasical mechanics, studying motion of objects the speed of which does not approach the speed of light;** * **Thermodynamics, studying heat, temperature and behavior of a large number of corpuscles;** * **Electromagnetism (theory of electricity, magnetsm and electromagnetic fields);** * **Optics, studying the properties and behavior of light;** * **Atomic physics, studying atom models, atomic spectra and lasers;** * **Nuclear physics, studying bond energy, the low of radioactive decay and nuclear reactions.** | | | | | | |
| **LANGUAGE OF INSTRUCTION** | | | | | | |
| xSerbian (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** | **Up to 15** | | **Written examination** | | | **Up to 30** |
| **Practical teaching** |  | | **Oral examination** | | |  |
| **Teaching colloquia** | **Up to 55** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |