|  |
| --- |
|  **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 tutorialsxLaboratory 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** |