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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 | Botany |
| Level of study | ☐Bachelor **☐ Master’s** ☐ Doctoral |
| Type of course | **☐ Obligatory** ☐ Elective |
| Semester  | ☐ Autumn **☐Spring** |
| Year of study  | 1st (the first year of study) |
| Number of ECTS allocated | 7 ECTS |
| Name of lecturer/lecturers | Jelena Matejić, PhD - Assistant professor |
| Teaching mode | **☐Lectures** **☐Group tutorials** ☐ Individual tutorials☐Laboratory work ☐ Project work ☐ Seminar☐Distance learning ☐ Blended learning **☐ Other (Field teaching)** |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| * Learning about the basic morphological, anatomical, physiological, and ecological properties of plants;
* Understanding and use of the rules of systematisation of plants;
* Learning about the properties of groups of plants and particular, selected types of medicinal plants;
* Use of literature and data bases in botany;
* Use of acquired knowledge of botany in the issues of medicinal and other usable plants
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| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| * Position and role of plants in the contemporary system of classification of living organisms. Levels of organisation of plants.
* Fundamental characteristics of a plant cell. Chemical composition of a plant cell;
* Structure of a plant cell;
* Plant tissues: meristemic tissues;
* Parenchymal tissues. Mechanical tissues. Conductive tissues and conductive bundles. Secretory plant structures;
* Plant organs. Embryonal development of plants. Root;
* Sprout. Trunk. Trunk metamorphoses;
* Leaf. Photosynthesis. Transpiration. Leaf metamorphosis;
* Reproduction of plants;
* Structure of the flower.
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| **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** | **26** |
| **Practical teaching** | **15** | **Oral examination** | **40** |
| **Teaching colloquia** | **14** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |