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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  |  |
| **GENERAL INFORMATION**  |
| Study program  | INTEGRATED ACADEMIC STUDIES OF PHARMACY |
| Study Module (if applicable) |  |
| Course title | INTERACTION OF MEDICINAL PLANTS WITH THE ENVIRONMENT |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral  |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | IV |
| Number of ECTS allocated | 3 |
| Name of lecturer/lecturers | Prof. Dr Dušanka Kitić, Prof. Dr Maja Nikolić  |
| Teaching mode |  [x] Lectures [x] Group tutorials [x]  Individual tutorials [ ] Laboratory work [ ]  Project work [x]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Introduction of the students to the concepts of ecology and environment, impact of environmental factors on growth and development of plants, synthesis of pharmacologically active molecules and production of herbal drugs of satisfactory quality. Involvement of students in the design, organization, and drug production management and quality assurance. Drug quality control. Phytoremediation. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Course content***Theory*Concept of the environment and most important pollutants. Impact of environmental factors on growth and development of plants, synthesis of pharmacologically active molecules and production of drugs of satisfactory quality. Production of medicinal plants: wild growing and cultivated medicinal plants: collection, drying, storage, legislation. Methods for medicinal plants quality control and impact of air, soil, water, heavy metals on the quality of medicinal plants.  |
| **LANGUAGE OF INSTRUCTION** |
| [x] Serbian (complete course) [x]  English (complete course) [ ]  Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)[x] Serbian with English mentoring [ ] Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** | **0-40** | **Written examination** | **-** |
| **Practical teaching** | **-** | **Oral examination** | **0-60** |
| **Teaching colloquia** | **-** | **OVERALL SUM** | **51-100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |