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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 | MEDICINAL NATURAL PRODUCTS |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral  |
| Type of course | [x]  Obligatory [ ]  Elective |
| Semester  |  [ ]  Autumn [x] Spring |
| Year of study  | third |
| Number of ECTS allocated | 3 |
| Name of lecturer/lecturers | Prof. Dr Dušanka Kitić, Ass. prof. Dr Dragana Pavlovic  |
| Teaching mode |  [x] Lectures [x] Group tutorials [x]  Individual tutorials [x] Laboratory work [ ]  Project work [x]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Upon completion of the course the student will acquire new knowledge on:* pharmacologically active compounds isolated from from medicinal natural products (seaweeds, mushrooms, moss, fern, seawater, land animals lower and higher plants, including also bee produsts),
* composition, application and safety of use (with clearly defined possible harmful and toxic side effects) of medicinal natural products,
* use and effects of medicinal natural products in cosmetics formulations,
* use and effects of medicinal natural products in supplements,
* legislation regulating medicinal natural products and supplements containing them.
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| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Course content***Theory*Notion and history of medicinal natural products. Current legislative on medicinal natural products and supplements that contain them alongside pharmacist role in selfcare and selfmedication. Composition, pharmacologicall activity, application and safety of use of most important medicinal natural products: carbohydrates, polysaccharides of lower and higher plants, oleoresins, resins, balms, lipids and lipid-like compounds, aminoacids, proteins, enzymes, and bee products. Effective and safe applications of medicinal natural products in medicine and pharmacy: real possibilities. Development of critical thinking skills and understanding the evidence-based medicine concepts for effective and safe use of medicinal natural products. |
| **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** |