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| Module name:  | <b>Biology</b>  |   |
| ECTS:   | <b>2</b>  |   |
| Learning effects  | Course outcomes:  |   |
| Knowledge:  | 1   | Student knows the morphology of animal organism systems and principles of development of that systems, Students generally characterize medicinal plants and medicines of the plant's origin |
|   | 2   | Students understand evolution processes   |
|   | 3   | Students generally characterize medicinal plants and medicines of the plant's origin  |
| Skills:   | 1   | Students can link the developmental processes of the organism organs and systems with their final anatomy   |
|   | 2   | Student is able to recognize application of the plant's origin medicines  |
| Competences:  | 1   | Students understand the need of further deepen their knowledge  |
|   | 2   | Students can use the scientific sources to gather the further knowledge of evolution and medicines of the plant's origin  |
| Objectives of the module required to obtain learning effects: | Basic and newest biology knowledge including the principles of evolution and organism systems development. Principles and processes of development and evolution mechanisms. The general tissues structure and development. Stem cells. General organism development, Bones and muscles structure and development. Elements of digestive system structure and development. Elements of respiratory system structure and development. Elements of cardiovascular system structure and development. Elements of urogenital and reproductive system structure and development. Elements of nervous system structure and development. General characteristics of medicinal plants. Classification of medicinal plant raw materials. Occurrence of medicinal plants in natural plant communities. Characteristics of the main groups of plant substances (primary and secondary metabolites), with special regard to their biological activity and application of medicinal plants containing these compounds. |   |
| Assessment methods:   | Written exam.   |   |