Title of a course	**Agricultural Botany**				
Study programme	Undergraduate Professional Study Programme of Sustainable Agritourism				
Status of a course	Obligatory				
Year of study	1	**Semester**	I	**ECTS credits**	4
Goals of a course					
To acquaint students with the structure and functions of the plant organism, the propagation, growth and development of plants, the characteristics of individual groups of plants.					
Conditions for course enrolment					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Outcome 1: Explain the basic principles of chemistry, biochemistry, microbiology and botany required to work in the field of agriculture. Outcome 2: Assess the suitability of environmental and edaphic factors for sustainable plant and animal production. Outcome 3: Select species, assortments and breeds, as well as the technology for cultivation, breeding and maintaining the health of plants and animals. Outcome 5: Select the methods of processing and preserving raw materials of plant and animal origin, depending on the quality characteristics of the raw material and the application of microorganisms.					
Expected learning outcomes on a level of a course					
1. Substantiate the importance of the cell as the basic building and functional unit of life 2. Distinguish plant tissues and organs, and their role in plant life 3. Assess the importance of water, photosynthesis and cellular respiration, as well as the mechanisms by which plants respond to stressful conditions 4. Explain the processes related to the development and life cycle of plants 5. Compare the differences between vegetative and generative plant propagation 6. Show the structure and main features of individual groups of plants, and identify wild and cultivated species					
Content of a course					
Introduction into botany. Structure and function of a plant cell. Structure and function of vegetative organs of angiosperms Transport of water and assimilates through the plant. Photosynthesis. Cell breathing. Structure and function of generative organs of angiosperms. Pollination and fertilization. Growth and development of plants. Generative and vegetative plant propagation. Systematic division of plants and basic characteristics of certain groups of plants. Weed classification and their significance and harmfulness in agricultural areas.					