

Title of a course	Beekeeping				
Study programme	Undergraduate Professional Study Programme of Sustainable Agritourism				
Status of a course	Elective				
Year of study	3	Semester	V	ECTS credits	4
Goals of a course					
- beekeeping basics - beekeeping technology					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
Expected learning outcomes on a level of a course					
<ul style="list-style-type: none"> • explain existential needs of bees and functioning of the bee community • compare characteristics and type of bee products • determine legal regulations in relation to activities within beekeeping and production • choose appropriate measures for beekeeping • determine the needed tools and mechanization for certain beekeeping technology. • compare bee-friendly plant of certain area • assess the health condition of bees 					
Content of a course					
Traditional and contemporary types of hives. Hive selection. Hive construction. Frame construction. Ways of wiring frames. Honeycomb foundations. Material for building hives. Additional hives and nuclei. Rules how to handle bees. Beekeeping equipment. Apiary location. Preparation for approaching bees. Techniques of checking bee communities. Preventing the occurrence of grabbing. Strength and development of the bee community. Keeping bees in hives with immovable combs, the AZ hive and Poloska hives (historical aspect). Keeping bees in vertical hives. Handling frameworks and extensions. Advantages of low extensions. Feeding bees. The first spring overview of bee communities. Spring extension of brood. Speeded up spring development of bee communities. Prevention of swarming. Replace the old hives and adding honeycomb foundations. Replacing the old queen. Transfer of old hives and getting wax. Working with bee communities during summer (after achieving the full completion). Preparation of bee communities for the main pasture. Moving bees. Choosing a location for bringing bees for pasture. Ways of fastening hives in transport. Removing the frame and extension with honey. Honey harvest. Two-queen beekeeping. Methods for creating very strong communities. Using swarms. Artificial reproduction of bee communities. Honey production in hives. Royal jelly production. Production of pollen, propolis and bee venom. Production of swarm packages. Reducing space in hives during fall. Preparation of bee communities for safe overwintering. Bee overwintering.					