

Title of a course	Aromatic Plants and Herbs				
Study programme	Undergraduate Professional Study Programme of Sustainable Agritourism				
Status of a course	Obligatory				
Year of study	2	Semester	III	ECTS credits	4
Goals of a course					
Introduce students to the importance and possibilities of sustainable cultivation of aromatic and spicy herbs, the concept and quality standards, types and characteristics of bioactive substances and aromas, basic methods of processing and application of aromatic and spicy herbs. Introduce students to the technology of growing basic types of aromatic and spicy herbs. Introduce students to the purpose of aromatic and spicy herbs.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
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 4: Recommend the manner of processing, sorting and storage of plant and animal products stock and distribution of goods. 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. Recognize types of aromatic plants and herbs, Latin names, belonging to a family of bioactive substance of selected types of aromatic plants and herbs. 2. Select the conditions for planting and growing technology of selected species and assortments of aromatic plants and herbs 3. Recommend the method of processing and application of selected types of aromatic plants and herbs depending on the characteristics. 4. Perform bioactive substances extraction by steam extraction. 5. Evaluate the quality of the raw material of aromatic plants and herbs based on its characteristics and content of bioactive substances.					
Content of a course					
The significance and production areas for herbs/aromatic plants in the Republic of Croatia. Medicinal value of aromatic plants and herbs, content of bioactive matter and antioxidant capacity. Cultivation technology for herbs in the open field and greenhouses based on the basics of botany, biochemistry, physiology, nutrition, general production and plant protection, application of the sowing calendar. Treatment measures for orchards, harvest, cleaning, sorting, packing, storage and equipment. Quality of herbs and basic forms of processing.					