

Title of a course	Vine Growing				
Study programme	Undergraduate Professional Study Programme of Sustainable Agritourism				
Status of a course	Elective				
Year of study	2	Semester	IV	ECTS credits	3
Goals of a course					
Training the student to independently raise and manage vine plantations using modern and eco-friendly vineyard techniques.					
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. Outcome 6: Apply the principles of spatial planning and design the interior and exterior according to the needs and capabilities of the agritourism farm and the location conditions. Outcome 7: Recommend environmentally friendly methods of hygiene, maintenance and waste management in grapevine growing					
Expected learning outcomes on a level of a course					
1. Distinguish the specificities of growing in different wine-growing regions 2. Identify the developmental stages of grapevine 3. Assess the growing conditions for the economic viability of grapevine cultivation 4. Design grapevine plantation raising 5. Design a draft of the implementation of ampelotechnical procedures in a vineyard 6. Select the technique of vineyard conversion and protection against diseases and disasters 7. Select an environmentally friendly grapevine growing system					
Content of a course					
Introduction into viticulture. Agroecological conditions for cultivation of vine in the Mediterranean area. Vegetative, generative organs and the development cycle of vine. Pruning and training systems of vine. Fertilization and vine nutrition. Systems of maintaining soil in the Mediterranean area: soil cultivation, mulching – covering soil in the vineyard, applying herbicides, combined systems of soil maintenance. Grafting rootstocks and varieties of vine. Regions and subregions of the viticulture area in Croatia. Arrangement of the production area, improvement of physical, chemical and biological features of soil. Establishing the vineyard: preparing the soil for planting the vineyard, preparing the terrace, other preparatory work before planting, planting and taking care of a young vineyard. A vineyard trellis. System of vine cultivation in: cultivation elements and names, classification of systems of cultivation with a reference to the Mediterranean area, forming cultivation and basic characteristics, complex systems of cultivation, rejuvenating and adjusting the system of cultivation. Damage to vine caused by bad weather. Harvesting grapes: specifics of harvesting in the Mediterranean area, harvesting wine varieties, harvesting and packaging table grapes.					