

Course Unit Descriptor

Study Programme: ORGANIC AGRICULTURE			
Course Unit Title: <i>ORGANIC PRODUCTION OF FRUIT AND GRAPES</i>			
Course Unit Code: 19ORG016			
Name of Lecturer(s): Full prof. Nenad Magazin, PhD; Full prof. Dragoslav Ivanišević, PhD			
Type and Level of Studies: UNDERGRADUATE ACADEMIC STUDIES			
Course Status (compulsory/elective): Compulsory			
Semester (winter/summer): winter			
Language of instruction: Serbian			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: No			
Course Aims: Students should acquire basic knowledge about organic production in fruit growing and viticulture in the world and in our country. Proper selection of fruit species, cultivars and rootstocks of fruit trees and grape vine is one of the main factors of successful organic production. In organic production, the correct choice of locality and position of plantations is extremely important, as well as the knowledge of modern and allowed agro-technical, phyto-technical and sanitary measures.			
Learning Outcomes: The acquired level of knowledge will enable the graduate student to independently make the right decisions on the choice of locality, location, fruit species, cultivars and rootstocks of fruit trees and grape vine, when planting according to the concept of organic production. The acquired level of knowledge enables the student to correctly choose the necessary agro-technical, pomotechnical and ampelotechnical measures in accordance with the principles of ecological production and to apply them in the orchard. Mistakes that occur during the establishment of perennial crops cannot be subsequently corrected, so the knowledge that the student acquires in this subject is of great importance for the work of future professionals.			
Syllabus: <i>Theory.</i> The concept, significance and principles of organic fruit and grape production. Organic production of fruits and grapes in the world and in our country, legal regulations. Agroecological conditions suitable for organic production of fruits and grapes, selection of location and position for planting. Selection of species and cultivars of fruit trees and grape vine. Rootstocks selection. Planting material and selection of training system. Land cultivation and maintenance. Nutrition of fruit trees and vines. pomotechnical and ampelotechnical measures. Harvesting and storing of fruits and grapes. Organic wine. <i>Practice.</i> Introduction to domestic and international regulations on organic fruit and grape production. Systematics of fruit species and cultivars suitable for organic production. Morphology of fruit trees and grape vine. Methods for determining the moment of harvest and storage conditions of fruits and grapes from organic production. Development of a project for raising organic orchards and vineyards. Organic wine production.			
Required Reading: Lind, K., Lafer, G., Schloffer, K., Innerhofer, G., Meister, H: Organic Fruit Growing, CAB International, 2003. Rombough L. : The Grape grower - A Guide to Organic Viticulture. White R. Junc., Vermont, US, 2002.			
Weekly Contact Hours: 5	Lectures: 5	Practical work: 2	
Teaching Methods: Lectures, presentations, films, visits to orchards and vineyards, laboratory work, practical work in experimental fields			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	10	written exam	60
Practical exam	30	oral exam	
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			