COURSE REGISTRATION FORM

Teacher	Milanko Pavlović
University	EDUCONS University
Course	Specifics of organic crop production
Target	Agricultural Middle Schools
Type	classic
Duration	1 day – 8 hours

Description	The course is intended for teachers employed in secondary schools in the education of agriculture, food production and processing in order to enable continuous and sustained training, competence development, monitoring and implementation of new knowledge in these areas. Production of crop plants is the basis of organic agriculture in the production of safe and high-value food and a prerequisite of organic livestock production. In the system of sustainable agricultural management organic farming is characterized by a wide range of specific formulated in the methods of organic crop production, whose implementation is mandatory and necessary for carrying out these activities. The purpose of the course is that teachers increase their knowledge in the field of production of crop plants and point out the special features and requirements in the system of organic production. This primarily relates to the preservation and improvement of natural resources, biodiversity, application of appropriate technology cropping process by encouraging self-regulation to protect the environment, conversion of other agricultural systems in organic production, application of the principles of good practice in food production. Besides contributing to the expansion of knowledge about crop production rate should contribute to the acquisition of the competences of teachers in knowledge transfer agricultural schools within the subject of organic production.

Contents	1. Agricultural systems and sustainable agricultural production 2. Specifics of organic crop production 3. Technology of cropping and crop rotation in the system of organic production 4. Organic production of grain 5. Organic production of fodder plants 6. Alternative plant species in organic farming 7. Seed crop plants in organic production

Objectives	1. Do teachers gain new knowledge about the specifics of organic crop production 2. To master the procedure of certification and methods of organic crop production 3. To gain an insight on the specifics of organic production of important field

	crops 4. Contribute to the development of competencies for teaching and training in the field of organic farming
Activities	In the introductory part of the course, participants update and establish knowledge of basic characteristics of the agricultural system, historical development, diversity and interconnection, through discussion on the set the topic. Lecturer focus discussion on the implementation of the principles and objectives of sustainability in different systems of agricultural production. The analysis of the actual condition of agriculture, the available resources and the rural area of the Republic of Serbia, lecturer and participants point out the possibilities, conditions and benefits of organic farming in the region. The lecturer introduces students to the requirements of the basic principles of organic agriculture that are transferred to the level of the local peculiarities of the available resources, the conservation of biodiversity and the protection and improvement of agro ecosystems. By asking questions to check the knowledge and experience of participants on characteristics of the most common models applied to agricultural production (traditional and conventional farming), after which the teacher introduces participants to the specificities and differences of organic crop production compared to existing systems. This part will be ended by the joint conclusions. The next part of the course includes presentations of the methods, techniques and activities adapted cropping technology in organic agriculture. Crop plants constitute the base for agricultural production, especially in organic whose base is mixed vegetable / cattle farm. Technology of production of crop plants is characterized by a wide range of specific at all stages of production, starting with the selection and tillage, choice of species, varieties and hybrids of tending, storage, retention and placement. The course will be based on existing knowledge and experience to analyze the above mentioned stages of production in the existing system, while the lecturer will point out features. Establishing a solid crop rotation and the conversion from conventional to organic agriculture are the main characteristics of this system of growing plants. As part of the exercise, participants will draw up a proposal individually crop rotation and adequate explanation. After discussions, few most acceptable proposals would be defined. Organic production of grain, forage crops and alternative represent parts of the course where experience, the existing and newly acquired knowledge in a simulation of the ecological production of field crops will be concretized. The teacher will familiarize students with the types of listed groups of crop plants that are interesting for this production and repeat the basic requirements for obtaining organic products. Then each of the participants will choose one plant species and introduce its organic production method or procedures in obtaining the

	certificate. Discussion to point out the omissions and irregularities, as well as the differences between conventional and known realize organic production is planned to finish this part. In the part of the course on organic seed production of field crops, trainer will introduce permitted, conditionally permitted and prohibited techniques of breeding and selection of plants. After that, participants should propose methods and techniques in creating and maintaining the reproduction of the materials. On the basis of existing knowledge about seed production segment, participants, together with teacher, will consider the specifics of organic seed production of field crops, possibilities and ways of production and supply of seeds of crop plants for organic production. Evaluation will include individually inference according to the sequences course content and test.

Materials	1. Computer / laptop and projector / video screen, 2. TAB and markers for board / paper A0 3. Paper A4 pens