



AgriTech Solutions: Innovating VET for Sustainable Agriculture
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 AgriTech Solutions: Innovative VET for Sustainable Agriculture
 2024-1-RS01-KA210-VET-000244168

MINUTES

From the implementation of an activity for the needs of the project

Review of existing qualifications

Overview of the prevalence of sustainable agricultural practices, precision agriculture, organic farming, renewable energy sources and the use of technology in agriculture in the qualification curricula.

Teacher Sonja Slavkovic, Efremcho Nikolov

Place Skopje

Qualification: **Agricultural technician for traditional and organic production**

Curriculum	Agrometeorology with climatology	
Year	I (first) year	
Module/modular unit	Representation	Description
Meteorological elements and phenomena	Precision farming	Teaching is being carried out instrument content for measuring various meteorological phenomena

Proposal for improving the curriculum in terms of the representation of sustainable agricultural practices, precision agriculture, organic agriculture, renewable energy sources and the use of technology in agriculture in the curricula of the qualification

Module/modular unit	Proposal
Meteorological elements and phenomena	To provide practical examples of the use of instruments in agriculture



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Subject	Agrochemistry	
Year	II (second) year	
Module/modular unit	Representation	Description
Fertilizers	Use of technology in agriculture	It is represented in the result of learning a hydroponic system for cultivation of certain types of plants
	Organic farming	The task is a result of learning the selection and use of organic fertilizers for conventional and organic agricultural production, depending on the type of the soil and the type of the plant

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Module/modular unit	Proposal
Fertilizers	Let's also look at aeroponics as a new production technology. To develop more types of organic manures and their use in organic production.





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Subject	Plant protection	
Year	II (second) year	
Module/modular unit	Representation	Description
Crop protection	Sustainable agricultural practices	It is represented in one learning outcome. principles and measures for integrated plant protection

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Module/modular unit	Proposal
Protection of agricultural cultures	To provide practical programs and examples for integrated protection in agriculture

Subject	Agricultural machinery	
Year	II (second) year	
Module/modular unit All modular	Representation	Description
units Soil cultivation machines and tools	Use of technology in agriculture Precision farming Sustainable agriculture practices	All areas are underrepresented.





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Fertilizer, sowing, planting and transplanting Machines for protection plants and machinery and irrigation devices Machinery, devices and equipment for making hay, green fodder and silage Harvesting machines and performance, grain harvesters and harvesters corn Machines for extracting sugar beets, potatoes, cotton harvesting and rolling tobacco Harvesting machines and fruit grading in viticulture and fruit growing Machinery in livestock farming	Renewable energy sources Organic farming	
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Module/modular unit All modular units	Proposal
Soil cultivation machines and tools	All areas should be processed through all modular units, because agricultural mechanization is part of all production technologies in agriculture.



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Fertilizer, sowing, planting and transplanting Machines for protection plants and machinery and irrigation devices Machinery, devices and equipment for making hay, green fodder and silage Harvesting machines and performance, grain harvesters and harvesters corn Machines for extracting sugar beets, potatoes, cotton harvesting and harvesting and rolling tobacco Harvesting machines and fruit grading in viticulture and fruit growing Machinery in livestock farming	
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Subject	Basics of traditional production	
Year	II (second) year	
Module/modular unit Fundamentals of	Representation	Description
traditional production	Use of technology in agriculture Precision farming Sustainable agriculture practices	The concept and influence of are represented. traditional production based on the environment



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ФОНДАЦИЈА
ТЕМПУС



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	Renewable energy sources	
Methods in traditional production	Organic farming Use of technology in agriculture Precision farming Sustainable agriculture practices Renewable energy sources Organic farming	The methods are represented in traditional production
Measures in the traditional production	Use of technology in agriculture Precision farming Sustainable agricultural practices Renewable energy sources Organic farming	The measures are represented in the traditional production

Proposal for improving the curriculum in terms of the representation of sustainable agricultural practices, precision agriculture, organic agriculture, renewable energy sources and the use of technology in agriculture in the curricula of the qualification

Module/modular unit Fundamentals	Proposal
of traditional production	To give practical examples of the impact of traditional production on the environment
Methods in the traditional production	To provide practical programs for applying methods in traditional production
Measures in the traditional production	Provide practical programs for implementing the measures in traditional production





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Subject	Protection of the working and living environment	
Year	II (second) year	
Module/modular unit	Representation	Description
Ecology	Sustainable agriculture practices	It is represented as a result of learning structural elements of ecosystems and circular movement of matter and flow of energy in the ecosystem
Pollution and protection the environment	Use of technology in agriculture Precision farming Sustainable agriculture practices Renewable energy sources Organic farming	It is represented as a result of learning structural elements of ecosystems and the circular movement of matter and energy flow in the ecosystem

Proposal for improving the curriculum in terms of the representation of sustainable agricultural practices, precision agriculture, organic agriculture, renewable energy sources and the use of technology in agriculture in the curricula of the qualification	
Module/modular unit	Proposal
Ecology	To provide practical programs and examples for sustainable development in agriculture
Pollution and protection the environment	To develop more measures for environmental protection environment

In Skopje

Teachers

Date 05/31/2025

Sonja Slavkovic, Efremcho Nikolov



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