



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

Place Skopje

Qualification **Gardener Florist**

Subject	Agricultural machinery	
Year	I (first) year	
Module/modular unit Machinery and	Representation	Description
devices for gardening and floriculture production	Use of technology in agriculture Precision farming Sustainable agriculture practices Renewable energy sources Organic farming	All areas are underrepresented.

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
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Machinery and equipment for gardening and floriculture production	All areas should be processed through all modular units, because agricultural mechanization is part of all production technologies in agriculture.
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Subject	Plant production and agrotechnics	
Year	I (first) year	
Module/modular unit Tillage	Representation	Description
	Use of technology in agriculture	The technique is represented for soil preparation according to its characteristics
Reproduction and seedling and sapling production	Use of technology in agriculture	They are represented plant propagation and care seedling and seedlings
Sowing, planting and transplanting	Use of technology in agriculture	Simple methods, tools and materials are presented for sowing, planting and transplanting plants to a permanent location.
Crop care	Use of technology in agriculture	Crop care measures are in place.
Storage for various types of products	Use of technology in agriculture	Methods of collection and storage for different species are represented. products

Proposal for improving the curriculum in terms of the representation of sustainable agricultural practices, precision agriculture, organic agriculture,



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renewable energy sources and the use of technology in agriculture in the curricula of the qualification	
Module/modular unit Tillage	Proposal
	All areas to be covered through all modules units
Reproduction and seedling production and seedlings	All areas to be covered through all modules units
Sowing, planting and transplanting	All areas to be processed through all modular units
Crop care	All areas to be covered through all modules units
Storage for various types of products	All areas to be covered through all modules units

Subject	Plant protection	
Year	II (second) year	
Module/modular unit	Representation	Description
Measures to protect plants from diseases, pests and weeds	Use of technology in agriculture Sustainable agriculture practices	It is represented in one result of learning measures to protect plants from diseases, pests and weeds

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Module/modular unit	Proposal
Measures to protect plants from diseases, pests and weeds	To provide practical programs and examples for protection in agriculture All areas to be covered through all modules units

Subject	Technologies in horticultural production	
Year	II (second) year	
Module/modular unit	Representation	Description
Lifting of vegetable garden	Use of technology in agriculture	The learning outcome is given as an increase in vegetables
Soil cultivation, sowing and agrotechnical measures	Use of technology in agriculture Sustainable agriculture practices	As a result of learning agrotechnical measures have been given for the preparation of soil for growing horticultural crops The learning result is given as fertilization of the soil The learning outcomes include sowing, planting and transplanting As a result of learning care measures have been taken of garden crops
Organic production of horticultural crops	Organic farming	As a learning outcome, measures are given for





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		organic production of horticultural crops
Harvesting, packaging and transportation of garden cultures	Use of technology in agriculture	As a result of learning procedures are given for harvesting, grading, packaging and transporting horticultural crops
Cultivation of horticultural crops	Use of technology in agriculture	As a result of learning the technologies of are given cultivation of horticultural crops
Protected areas	Use of technology in agriculture	As a result of learning given are the raising of protected areas
Cultivation of horticultural crops in protected areas	Use of technology in agriculture Precision farming	As a result of learning the technologies of are given cultivation of horticultural crops in protected areas

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Module/modular unit Lifting	Proposal
vegetable garden	All areas to be covered through all modules units
Soil cultivation, sowing and agrotechnical measures	All 5 areas can be represented in this modular unit, with special emphasis on the application of each area.





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Organic production of horticultural crops	All areas to be processed through all modular units
Harvesting, packaging and transportation of garden cultures	All 5 areas can be represented in this modular unit, with a special emphasis on the application of each of the areas.
Cultivation of horticultural crops	All areas to be covered through all modules units
Protected areas	All 5 areas can be represented in this modular unit, with special emphasis on the application of each area.
Cultivation of horticultural crops in protected areas	All 5 areas can be represented in this modular unit, with special emphasis on the application of each area.

Subject	Technologies in floriculture production	
Year	III (third) year	
Module/modular unit	Representation	Description
Planning flower production cultures	Use of technology in agriculture	As a result of learning given a list of flower production areas
Flower production crops and mother plants	Use of technology in agriculture Sustainable agriculture practices	As a result of learning agrotechnical data are given flower production measures
Production and sales of flower crops	Organic farming	As a result of learning technologies for the production and sale of flowers are given





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Making simple flower arrangements and decorations	Use of technology in agriculture	The learning outcomes include the basic rules and methods for making simple flower arrangements and decorations
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Module/modular unit Planning	Proposal
flower production cultures	All areas to be processed through all modular units
Flower production crops and mother plants	All 5 areas can be represented in this modular unit, with special emphasis on the application of each area.
Production and sales of flower crops	All areas to be covered through all modules units
Making simple flower arrangements and decorations	All 5 areas can be represented in this modular unit, with special emphasis on the application of each area.

In Skopje

Teachers

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