



AgriTech Solutions: Innovations in vocational education for sustainable agriculture
 AgriTech Solutions: Innovative VET for sustainable agriculture
 AgriTech Solutions: Innovative VET for Sustainable Agriculture
 2024-1-RS01-KA210-VET-000244168

MINUTES

For the implementation of activities for the needs of

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 curricula and qualification programs.

Teacher: Jovo Katto

Place: Sombor

Qualification: Horticulture Technician

Curriculum	Pedology and agrochemistry	
Year	First	
Module/modular unit Land	Representation	Description
	Representation of sustainable agricultural practices	Land fertility. Soil sampling for quality analysis
Plant nutrition and fertilization	The technology is represented by plant nutrition and fertilization	Methods of plant nutrition and soil fertilization

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

Module/modular unit Land	Proposal
	More representation of precision agriculture in land sampling.
Plant nutrition and fertilizers	More representation of sustainable agriculture practices, precision agriculture and organic production.



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Curriculum	Plant protection	
Year	First	
Module/modular unit	Representation	Description
Plant protection measures	Technology is represented for plant protection	Methods of application, classification, characteristics of pesticides.

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Module/modular unit	Proposal
Plant protection measures	Increased prevalence of sustainable agricultural practices, precision agriculture.

Curriculum	Agricultural machinery	
Year	Another	
Module/modular unit	Representation	Description
Tractors	Precision agriculture is represented	Operating modern tractors and tractor attachments
Machinery in horticulture	Precision agriculture is represented	Operating machinery in horticulture





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Module/modular unit Tractors	Proposal
	To promote precision agriculture more in the use of agricultural machinery.
Machinery in horticulture	To promote precision agriculture more in the use of agricultural machinery.

Subject	Gardening	
Year	Third	
Module/modular unit	Representation	Description
Special gardening	The application of technology in gardening is represented production, organic agriculture, sustainable agricultural production	Use of technologies in agriculture, organic farming, sustainable agricultural production

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Module/modular unit	Proposal
Special gardening	Promote more sustainable agriculture practices, precision agriculture and renewable sources of energy in gardening



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Subject	Fruit growing and viticulture	
Year	Third	
Module/modular unit	Representation	Description
Fruit growing in horticulture	Technologies represented fruit crop production in horticulture	Technologies for growing fruit species in horticulture
Viticulture in horticulture	Technologies represented for growing vineyards in horticulture	Technology of growing grape varieties in horticulture

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Module/modular unit	Proposal
Fruit growing in horticulture	More representation of sustainable agricultural practices, precision agriculture and renewable sources of energy in fruit growing
Viticulture in horticulture	More representation of sustainable agricultural practices, precision agriculture and renewable energy sources in fruit growing



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Subject	Floriculture	
Year	Third, fourth	
Module/modular unit Flower production	Representation	Description
	Technologies represented production of annual and perennial flower	Flower growing technologies
Rose production	Technologies represented growing roses	Rose growing technology

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Module/modular unit	Proposal
Flower production	Increased prevalence of sustainable agricultural practices, precision agriculture.
Rose production	Increased prevalence of sustainable agricultural practices, precision agriculture.

Subject	Erection and maintenance of green areas	
Year	Fourth	
Module/modular unit Raising green areas	Representation	Description
	Technologies for raising green areas are represented	Raising public green spaces
Maintenance of green areas	Technologies for maintaining public green spaces are represented	Maintenance of public green spaces



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Module/modular unit Raising green areas	Proposal
areas	More sustainable agricultural practices, precision agriculture.
Maintenance of green areas	More sustainable agricultural practices, precision agriculture.

Subject	Medicinal and spicy herbs	
Year	Third	
Module/modular unit Medicinal and spicy herbs	Representation	Description
spicy herbs	Technologies represented production of medicinal and herbs	Application of Good Manufacturing Practice Standards

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 curricula and qualification programs

Module/modular unit Medicinal and spicy herbs	Proposal
spicy herbs	More sustainable agricultural practices, precision agriculture.



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Subject	Professional practice	
Year	First, second and third	
Module/modular unit	Representation	Description
Agrotechnical basics of plant production	Representation of sustainable agricultural practices	Use of technologies in agriculture, organic farming, sustainable agricultural production
Production of planting material and seedlings	Planting material and seedling production technology	Application of Good Manufacturing Practice standards
Horticultural plant production	Horticultural plant production technology	Application of Good Manufacturing Practice standards

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 curricula and qualification programs

Module/modular unit	Proposal
Agrotechnical basics of plant production	More representation of precision agriculture and renewable energy sources.
Production of planting material and seedlings	More representation of sustainable agricultural practices, precision agriculture.
Horticultural plant production	More representation of sustainable agricultural practices



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Subject	Organic production in gardening – elective subject	
Year	Second, third or fourth	
Module/modular unit Organic	Representation	Description
production in gardening	Organic production represented	Basics of goods Agricultural practice Basics of integrated production.

Proposal for improving the curriculum in terms of the representation of sustainable agricultural practices, precision agriculture, organic farming, renewable energy sources and the use of technology in agriculture in curricula and qualification programs	
Module/modular unit	Proposal
Organic production in gardening	Organic production should be more represented in the mandatory vocational subjects for plant production as a separate module.



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Subject	Organic production in fruit and viticulture – elective subject	
Year	Second, third or fourth	
Module/modular unit	Representation	Description
Organic production in fruit and viticulture	Organic production represented	Basics of goods Agricultural practice Basics of integrated 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 curricula and qualification programs

Module/modular unit	Proposal
Organic production in fruit and viticulture	Organic production should be more prevalent in the mandatory vocational subjects for plant production such as separate module.

In Sombor

Teacher

Date: 09.07.2025 year

Jovo Cato



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