



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 the project Overview 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: Viticulture and winemaking

Curriculum	Pedology and agrochemistry	
Year	First	
Module/modular unit Land	Representation	Description
	Representation of sustainable agricultural practices	Land fertility. Taking soil samples 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 taking soil samples.
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 Measures	Representation	Description
for the protection of cultivated plants	Plant protection technology is represented.	Methods of application, classification, characteristics of pesticides.
Protection of vines	Technologies represented for grapevine protection.	Ways to protect grapevine.

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 Measures	Proposal
for the protection of cultivated plants	Sustainable agricultural practices, precision agriculture, and organic production should be more prevalent.
Protection of vines	Sustainable agricultural practices, precision agriculture, and organic farming should be more prevalent.



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

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Module/modular unit	Proposal
Tractors	More representation of precision agriculture in the use of agricultural machinery.

Subject	Viticulture	
Year	Second, third, fourth	
Module/modular unit Vineyard	Representation	Description
erection	It is represented in terms of sustainable agriculture. practices	Agroecological conditions for establishing a vineyard.
Vineyard care	Technologies represented for grapevine care	Grapevine care from planting to fruition
Grape harvest	Technologies represented for grape harvesting	Determining the maturity of grapes. Grape harvesting – manually, mechanically



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Module/modular unit Vineyard	Proposal
erection	More representation of precision agriculture and renewable energy sources in viticulture
Vineyard care	More representation of sustainable agriculture practices, precision agriculture and renewable energy sources in viticulture
Grape harvest	More representation of precision agriculture

Subject	Professional practice	
Year	Second and third	
Module/modular unit	Representation	Description
Grape nursery	Technologies are represented for vine production coils	Application of the Standard for Good Agricultural Practices ("GLOBAL-GAP").
Vineyard establishment and care	Technologies for vineyard establishment and care are represented	Application of the Standard for Good Agricultural Practices ("GLOBAL-GAP").

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 Vine	Proposal
nursery	More representation of precision agriculture and sustainable agricultural practices.
Vineyard establishment and care.	More representation of sustainable agricultural practices, precision agriculture.



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

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 Organic	Proposal
production in viticulture	Organic production should be more represented in the mandatory vocational subjects for crop and livestock production as a separate module.

In Sombor

Teacher

Date: 09.07.2025 year

Jovo Cato



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