



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 use of technology in agriculture in curricula and qualification programs.

Teacher: Jovo Katto

Place: Sombor

Qualification: Agricultural equipment operator

Curriculum	Agricultural machinery	
Year	First and second	
Module/modular unit	Representation	Description
Machinery in agriculture and gardening	Precision agriculture is represented	Application of agricultural machinery in agriculture and gardening
Machinery in fruit and viticulture and livestock farming	Precision agriculture is represented	Application of agricultural machinery in fruit growing and viticulture and livestock farming



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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
Machinery in agriculture and gardening	Sustainable agricultural practices and the use of technology in agriculture should be more prevalent.
Machinery in fruit and viticulture and livestock farming	Sustainable agricultural practices and the use of technology in agriculture should be more prevalent.

Curriculum	Basics of plant production	
Year	First	
Module/modular unit Plant	Representation	Description
nutrition and fertilization	Technology is represented plant nutrition and fertilization	Methods of plant nutrition and soil fertilization
Agriculture and gardening	Technology is represented agriculture and horticulture	Technology of agricultural production and garden plants
Protection of cultivated plants	Plant protection technologies are represented	Plant protection measures by species.



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Solutions: Innovative VET for Sustainable Agriculture

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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 Plant	Proposal
nutrition and fertilization	Sustainable agriculture should be more prevalent practices, precision agriculture.
Farming and gardening	Sustainable agriculture should be more prevalent practices, precision agriculture.
Protection of cultivated plants	Sustainable agricultural practices, precision agriculture, should be more prevalent.

Curriculum	Engines and tractors	
Year	First and second	
Module/modular unit	Representation	Description
Engines	Precision agriculture is represented	Application of engines on agricultural machinery machines
Tractors	Precision agriculture is represented	Use of tractors in agriculture

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
Engines	Sustainable agricultural practices should be more prevalent.
Tractors	Sustainable agricultural practices should be more prevalent.



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Subject	Operation and maintenance of agricultural machinery	
Year	Third	
Module/modular unit Operation of	Representation	Description
machines and aggregates	Precision agriculture represented	Productivity of tractor aggregates and self-propelled machines.

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Module/modular unit Operation of	Proposal
machines and aggregates	More representation of sustainable agricultural practices and renewable energy sources in livestock farming

Curriculum	Professional practice	
Year	First and second	
Module/modular unit	Representation	Description
Technology of agricultural and vegetable production	Technologies used in farming and vegetable growing	Application of Good Manufacturing Practice standards
Technology fruit and viticulture productions and livestock productions	They are represented agricultural technologies	Application of Good Manufacturing Practice standards
Wheat harvest	Precision agriculture represented	Application of modern agricultural techniques



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Module/modular unit	Proposal
Agricultural technology -horticultural production	Sustainable agricultural practices and renewable energy sources should be more prevalent.
Technology fruit and viticulture production and livestock production	Sustainable agriculture should be more prevalent practices and renewable energy sources.
Wheat harvest	Sustainable agricultural practices should be more prevalent and renewable energy sources.

Curriculum	Precision Agriculture – Elective Course	
Year	Third	
Module/modular unit	Representation	Description
Geopositioning in agriculture	Precision agriculture is represented	Data transmission from GPS satellites. Positioning using mobile devices.
Digital platforms and applications in agriculture	Precision agriculture is represented	Digital platforms which provide support in monitoring the condition of crops and planning agricultural activities



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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
Geopositioning in agriculture	Sustainable agricultural practices and the use of technology in agriculture should be more prevalent.
Digital platforms and applications in agriculture	Sustainable agricultural practices and the use of technology in agriculture should be more prevalent.

In Sombor_____

Teacher

Date 07/09/2025_____

_____Jovo Cato_____



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