



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

Review 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.

Teacher: Jovo Katto

Place: Sombor

Qualification: Florist-gardener

Curriculum	Basics of crop production	
Year	First	
Module/modular unit	Representation	Description
Plant nutrition and fertilization	The technology is represented by plant nutrition and fertilization	Ways of feeding plants and soil fertilization
Propagation of cultivated plants	Plant propagation technology is represented	Generative and vegetatively reproduction
Protection of cultivated plants	Plant protection technologies are represented	Plant protection measures by species.



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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	More sustainable agricultural practices practices, precision agriculture.
Propagation of cultivated plants	More sustainable agricultural practices, precision agriculture.
Protection of cultivated plants	More sustainable agricultural practices, precision agriculture.

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	More sustainable agriculture practices, precision agriculture.



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Curriculum	Agricultural machinery	
Year	First	
Module/modular unit	Representation	Description
Tractors	Precision agriculture is represented	Operating modern tractors and tractor attachments
Attachment machines and equipment	Precision agriculture is represented	Handling of plug-ins machinery and equipment

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Module/modular unit	Proposal
Tractors	To promote precision agriculture more when using agricultural machinery.
Attachment machines and equipment	To promote precision agriculture more when using agricultural machinery.

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



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Module/modular unit Special	Proposal
gardening	More sustainable agricultural practices practices, precision agriculture and renewable sources energy in gardening

Subject	Floriculture	
Year	Second and third	
Module/modular unit Flower	Representation	Description
production	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 Flower	Proposal
production	More sustainable agricultural practices practices, precision agriculture.
Rose production	More sustainable agricultural practices practices, precision agriculture.



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

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Module/modular unit Raising green areas	Proposal
areas	Sustainable agricultural practices, precision agriculture, should be more prevalent.
Maintenance of green areas	Sustainable agricultural practices, precision agriculture, should be more prevalent.

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



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Module/modular unit Medicinal and	Proposal
spicy herbs	Further increase the prevalence of sustainable agricultural practices practices, precision agriculture.

Subject	Professional practice	
Year	First, second	
Module/modular unit Fundamentals	Representation	Description
of crop production Representation of sustainable	agricultural practices	Use of technologies in agriculture, organic farming, sustainable agricultural production
Plant production	Production technology of planting material and seedlings	Application of Good Manufacturing Practice standards

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Module/modular unit Proposal	
Fundamentals of crop production To further increase the prevalence of precision agriculture and	renewable energy sources.
Plant production	Further increase the prevalence of sustainable agricultural practices practices, precision agriculture.



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

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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.

In Sombor _____

Teacher

Date: 09.07.2025. year

_____ Jovo Cato _____



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