

Training of trainers of company instructors for the agricultural technician of traditional and organic cultivation

Module 1 for instructors: Work-based learning with didactics



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I Training structure

Session 1 General aspects of mentoring/work-based learning – 1 h 50’.

Goals of Session 1:

1. Understanding the process of learning through work and the role of the teacher for practical training and the mentor,
2. Identification of innovative approaches, principles and methods in the realization of the practical training of students,
3. Identifying the assessment and documentation of the learning-by-doing process,
4. Understanding the need for a pedagogical approach in practical training.

Session 2 Process of Work-based learning at Agricultural technician of traditional and organic cultivation - 1h 40’

Goals of Session 2:

1. Understanding the processes of planning and realization of the practical training of students for the technologies of traditional and organic production,
2. Identifying the principles on which the process and the resources required are based,
3. Understanding the methods, the way of working, monitoring and evaluating the progress of the students in acquiring the necessary skills.

II Training matrix

The training matrix is to be used by the trainer for implementing training for trainers. It will be shared with trainees for them to rely on them for the implementation of their trainings.

Slot	Description	Time	Method	Input	Goal	Source	Learning outcomes	
Session 1 General aspects of mentoring/work-based learning- 2h 10'. Goals of Session 1: <ol style="list-style-type: none"> 1. Understanding the process of learning through work and the role of the teacher for practical training and the mentor, 2. Identification of innovative approaches, principles and methods in the realization of the practical training of students, 3. Identifying the assessment and documentation of the learning-by-doing process, 4. Understanding the need for a pedagogical approach in practical training. 								
1	Presentation of the trainer, training goals, methods, and outcomes	0	10'	Ex-cathedra	Presentation Slide 1,2,3	n/a		
2	Group introduction –experience in the implementation of Work-based Learning (WBL)	0	10'	Roundabout Обучувачот поставува кратки прашања до учесниците за нивното искуство во реализација на Work-based Learning (WBL)	Presentation Slide 4,5	n/a	For the trainer, to evaluate the experience of the training participants	
3	Work-based Learning (WBL)	0	10'	Ex-cathedra	Presentation Meaning and role of Work-based Learning (WBL) Slides 6,7,8,9	1	Manual WBL for ATTOC, page 5	Participants will be able to: -understand the meaning of learning through work and dual education
4	Role, rights and obligations of the	0	10'	Ex-cathedra	Slide 66	1	Manual	Participants will be able to:

	responsible teacher for practical education and mentor in the company in the process of Work-based Learning (WBL)				Presentation Role, rights and obligations of the responsible teacher for practical education and the mentor in the company Slides 10,11,12		WBL for ATTOC, page 6	-perceive the role, rights and obligations of the responsible teacher for practical education and the mentor in the company in the process of Work-based Learning (WBL)
5	Innovative approach to work-based learning and practice	0	10'	Ex-cathedra,	Presentation Approaches that can be used Slides 13,14,15,16	2	Manual WBL for ATTOC, page 7	Participants will be able to: -understand innovative approach to work-based learning and practice
6	Principles/guidelines for the preparation and implementation of an innovative work-based learning process	0	10'	Ex-cathedra	Presentation Principles/guidelines used in the practical training of students Slides 17,18,19	2	Manual WBL for ATTOC, page 8	Participants will be able to: -understand the principles and guidelines for preparing and implementing work-based learning and practice
7	Innovative methods for work-based learning	0	10'	Ex-cathedra	Presentation Innovative and applicable techniques and methods that can be used in the practical training of students Slides 20,21	2	Manual WBL for ATTOC, page 9	Participants will be able to: -perceive the benefits of applying innovative and applicable teaching techniques in the practical training of students
8	Summative school and external evaluation of learning through work		10'	Ex-cathedra	Presentation Summative school and external assessment of learning through	3	Manual WBL for ATTOC, page 10	Participants will be able to: -distinguish between summative school and external assessment of learning through work

					work. Slides 22,23,24			
9	Templates of documentation required for recording work-based learning and practical work		10'	Ex-cathedra	Presentation Forms for recording work-based learning and practical work Slides 25,26,27	3	Manual WBL for ATTOC, page 11	Participants will be able to: -distinguish between documents used to record work-based learning and practical work -perceive the need to record work-based learning and practical work.
10	Pedagogical approaches/challenges in the teaching process A special emphasis on student motivation and communication styles when work-based learning.	0	20'	Ex-cathedra	Presentation Pedagogical approach in teaching. Slides 28,29,30, 31, 32,33,34,35,36,37	4	To provide links from where materials can be used or to prepare material	Participants will be able to: -perceive the need for using pedagogical approaches for dealing with challenges in the teaching process -understand the importance of motivation and communication in the teaching process
11	Rounding up the acquired knowledge	0	20'	Solving a quiz Playing a game	Solving a quiz if there are conditions for it Playing a game Feedback barometer of interest Slide 38			Summarizing the knowledge gained from the session

Session 2 Process of teaching and learning at Agricultural technician of traditional and organic cultivation- 1h 20'.

Goals of Session 2:

1. Understanding the processes of planning and realization of the practical training of students for the technologies of traditional and organic production,
2. Identifying the principles on which to base the process and the resources required,
3. Understanding the methods, the way of working, monitoring and evaluating the progress of the students in acquiring the necessary skills.

Slot	Description	Time		Method	Input	Goal	Source	Learning outcomes
1	Approaches to the teaching in agriculture	0	10'	Ex-cathedra	Presentation of the approach developed in the manuals Slide 39, 40,41,42	1	Manuals TM and LM for ATTOC, Page 17	Participants will be able to: -to understand the holistic approach developed in the manuals
2	Planning the process of work-based learning	0	15'	Ex-cathedra	Presentation of the planning approach that is elaborated in the manuals Slide 43,44,45	2	Manuals TM and LM for ATTOC, Page 18	Participants will be able to: -perceive the importance of planning for the achievement of learning outcomes
3	Required resources and students' needs	0	10'	Ex-cathedra	Presentation the necessary resources and the needs of the students Slides 46,47,48	2	Manual WBL for ATTOC, Page 13	Participants will be able to: -perceive the importance of resources and the needs of students in the process of work-based learning and practical training.
4	Assessment of achievements	0	10'	Ex-cathedra	Presentation of the instrument that is elaborated in the manuals Slide 49,50,51,52	3	Manuals TM and LM for ATTOC, Page 19	Participants will be able to: -perceive the need to apply appropriate instruments for evaluating student achievements

5	Digital resources that can be used during WBL and its evaluation	0	10'	Ex-cathedra	Presentation of the Digital resources that can be used during WBL and its evaluation Slides 53,54,55	3	Manuals TM and LM for ATTOC,	Summarizing the knowledge gained from the session
6	Presentation of a developed example	0	25'	Ex-cathedra	Presentation of a developed example Slides 56,57,58,59, 60,61	1,2,3,4	Manuals TM and LM for ATTOC, page 20-25	Participants will be able to: -understand the holistic and innovative approach in teaching

III Material

IV Literature

Teaching material for Agricultural technician of traditional and organic cultivation – ATTOC

Learning material for Agricultural technician of traditional and organic cultivation – ATTOC

[Work-based learning for Agricultural technician of traditional and organic cultivation – ATTOC](#)