



**LEPL Shota Meskhia State Teaching University of Zugdidi**

Approved under the decision #22 of Academic Council of

Shota Meskhia State Teaching University of Zugdidi

„ 24 „ „April“ 2018

**Vocational Educational Programme**

**Fruit Growing (Nut crops)**

**08108**

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**Zugdidi**

**2018**

I. **Title:** Fruit Growing (Nut Crops)

II. **Registration Number:** 08108-p

III. **Objective:**

Aim of the modular educational programme is to give students theoretical knowledge and develop practical skills relevant to the profession.

IV. **Career opportunities:**

Upon completion the programme, a person can be employed in any state or non-state institutions which carry out activities related to the cultivation of agricultural crops. Particularly,

- industrial gardens and green-houses;
- specialized nursery gardens;
- demonstrative-experimental plots of scientific-research institutions as well as the farmers' consultation centers;
- sale points for seedlings;
- small, medium and large farms;

V. **Professional Specialization**

Professional qualification of the fourth level in Fruit Growing (Nut Crops).

VI. **Prerequisite:** Basic Education

VII. **Structure:**

**For vocational students enrolled on the basis of basic education:**

- 99 credits for Georgian-Speaking vocational students
- 129 credits for Non-Georgian Speaking vocational students (Annex 4-Georgian Language A1-15 credits, Georgian Language B1-15 Credits)

Compulsory general Modules		Main Compulsory Professional Modules		Selective Modules	
Name	Credit	Name	Credit	Name	Credit
1. Communication in Georgian Language-for stock breeder and fruit grower	9	8. Introductory Practice for fruit grower	3		

2.Mathematical Literacy-for stock breeder and fruit grower	9	9. Agricultural and biological basics for fruit growing	3		
3.Science and technologies for stock breeder and fruit grower	12	10. Planting of fruit-berry garden	3		
4.Entrepreneurship for stock-breeder and fruit grower	6	11. Gardening of fruit-berry	5		
5. English Language	5	12. Production of planting material for fruit-berry	6		
6.Citizenship for stock-breeder and fruit grower	6	13. Pruning and forming of fruit-berry	3		
7.Information Literacy 1	3	14.Agro mechanization	4		
		15. Organizing the harvest of fruit-berry	3		
		16.Sorting and storing of fruit-berry	2		
		17.organizing the production of safe and quality fruit-berry	3		
		18.Practical project for the fruit grower	4		
		<b>Special modules (Nut Crops)</b>			
		19. Planting and maintenance of garden of nut crops	3		
		20. General characteristics of fruit-berry	3		
		21. Production of fruit-berry	4		
<b>Total:</b>	<b>50</b>	<b>Total:</b>	<b>49</b>	<b>Total:</b>	<b>0</b>

VIII. For vocational students enrolled on the basis of general education

- 64 credits for Georgian-Speaking vocational students
- 94 credits for Non-Georgian Speaking vocational students (Annex 4-Georgian Language A1-15 credits, Georgian Language B1-15 Credits)

Compulsory General Modules		Main Compulsory Professional Modules		Selective Modules	
Name	Credit	Name	Credit	Name	Credit
1. Interpersonal communication	3	6. Introductory practice for fruit grower	3		
2. Quantitative literacy	2	7. Agricultural and biological basics for fruit growing	3		
3. Informative literacy 1	3	8. Planting of fruit-berry garden	3		
4. Entrepreneurship 2	2	9. Gardening of fruit-berry	5		
5. English Language	5	10. Production of planting material for fruit-berry	6		
		11. Pruning and forming of fruit-berry	3		
		12. Agro mechanization	4		
		13. Organizing the harvest of fruit-berry	3		
		14. Sorting and storing of fruit-berry	2		
		15. Organizing the production of safe and quality fruit-berry	3		
		16. Practical project for fruit-grower	4		
		<b>Special modules: (nut crops)</b>			
		19. Planting and maintenance of nut crops	3		

		20. General characteristics of nut crops	3		
		21. Production of nut crops	4		
<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>49</b>	<b>Total:</b>	<b>0</b>

### IX. Learning outcome:

After completing this programme, a person can:

- make morphological and anatomic description of nut crops;
- divide fruit-berry into groups;
- identify basic kinds of fruit-berry crops and describe their biological and agricultural characteristics;
- follow sanitary-hygienic norms while using plant protection products;
- analyze theoretical basis for gardening;
- select the place for gardening;
- participate in the process of arranging the garden area;
- select and prepare planting material and then plant;
- analyze theoretical basics of fruit-berry garden maintaining;
- provide safe working conditions and protect the environment;
- cultivate and fertilize the soil;
- use the means of watering and irrigation properly;
- protect the plants in the garden;
- analyze the theoretical basics of gardening;
- plant and fill empty places in the garden;
- control critical situations;
- produce seedlings with a closed root system;
- analyze the theoretical basics of pruning and formation of fruit-trees;
- form a young fruit tree;
- prune the fruit tree;
- identify agricultural machinery and equipment for soil processing;
- monitor the process of soil-processing using the agricultural machines;
- analyse the theoretical basics of harvest;
- prepare necessary techniques for harvest;
- maintain the garden of nut-crops;
- describe nut crops generally;
- produce nut crops;
- describe the rules of food safety in order to produce good quality products;
- identify the activities according to the given technological map as well as the different phases of plant development and calendar dates;

## **X. Design the vocational educational programmes on the basis of National Qualifications Framework**

Vocational educational programme was designed on the basis of National Qualifications Framework. 49 credits for main compulsory and special modules. More than 50% of learning outcomes of compulsory professional modules is achieved in real working environment.

## **XI. Confirmation of learning outcomes and awarding the credits**

Credit is awarded to the vocational student in case of confirmation of learning outcomes.

1. Achievement of learning outcomes can be confirmed through:

- A) recognition of learning outcomes of predefined formal education (deducting);
- B) recognition of learning outcomes of informal education defined under the rule of Minister of Education and Science of Georgia;
- C) Confirmation of learning outcomes through evaluation;

2. There is a progressive and definitive assessment.

2.1 Developing assessment can be achieved using the scores and deductive principles.

2.2 The definitive assessment encompasses the use of the system based on the principles of deduction (based on the competence) and follows the following two types of assessment:

- A) The results of the study have been confirmed;
- B) Learning outcome has not been confirmed;

3. In case of receiving negative result in determining assessment, a vocational student has the right to request an additional assessment of the learning outcomes before completing the programme. Assessment method/methods are given in modules.

## **XII. Awarding the professional qualification:**

Professional qualification is awarded by the Shota Meskhia State Teaching University of Zugdidi. The Rector of the Teaching University issues individual administrative-legal act. In order to gain professional qualifications, vocational student must collect credits defined in the modules of vocational educational programme.

More than 50% of learning outcomes is achieved in real working environment. (67%). Professional qualification can also be awarded through passing the qualification exam.

## **XIII. Teaching of disable students and students with special educational needs**

The prerequisites for access to modules shall not apply to the disable people and people with special educational need. Credits determined by the programmes shall be assigned to the person only in case of confirmation of the relevant learning outcomes. The qualification is awarded under the rule in article 13.

**XIV. Legislative base:**

- Law of Georgia on Vocational Education
- National Qualifications framework
- Professional standards for the Fruit Grower

**Annex 1** - Modules

**Annex 2** – Learning/ working plan

**Annex 3**-Programme implementer staff

**Annex 4** – Modules of Georgian Language