



# Why practical oriented study programs?

## Dual Curricula – Study and Work Practice in Agriculture and Food Safety

2<sup>nd</sup> International Workshop at UIBM

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## Why practical oriented study programs?

### Coordinator

### Academic Partner

Nuertingen-Geislingen University **1**

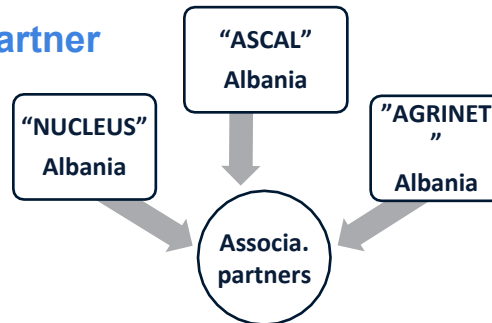
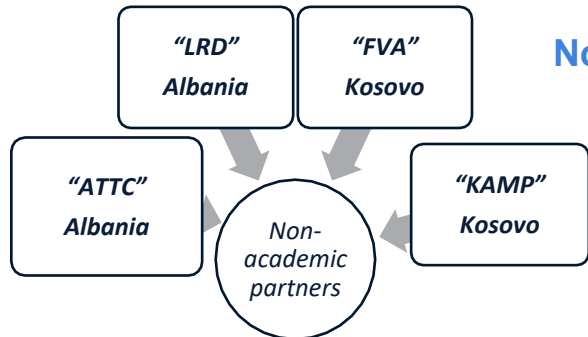
Savonia University of Applied Science **2**

Agriculture University of Tirana **3**

University of Korca **4**

University of Prishtina **5**

University of Mitrovica **6**



# Why practical oriented study programs?

The era of science and technology

Unsatisfactory revenue potential

Reducing employment in agriculture

Taking the population with agriculture to provide necessary food for the population

This will only be possible if timely agricultural education is provided, targeting different groups and levels, with a worthy cooperation of education, training and agricultural policies.

Practice-oriented programs should start in any higher education system and be updated according to market needs.

It is important to ensure more productivity of the sector, through :

- Research in the field of agriculture
- Hiring well-trained human resources

# Why practical oriented study programs?

## The main goal of Higher Education is:

- Prepare students to achieve success in their future careers
  - More and more importance should be give to the *value* of learning from experience.

Ability-based theoretical knowledge of agriculture and food safety

- *should be supported by practice.*
- *practical knowledge is more important than theoretical knowledge*
- *practical work makes students independent and increases their confidence*



Just because you covered it, that doesn't mean they learned it (J. Gonzales, 2018)

To Learn, Students Need to DO Something

## Why practical oriented study programs?

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- The advantages of practical work are incomparable.
- Acquiring theoretical knowledge has no value until students apply it for practical purposes.
  - When they do something with their hands, they remember better.
  - Practical work promotes experiential learning.
  - Practical work encourages self-learning.
  - The internship introduces students to the tools and equipment they will be asked to use.
  - Practice leads to perfection.
  - You can not become an expert overnight; the more practice, the greater the expertise.
  - Practical work is a good change from the method of monotonous discourse.

# Why practical oriented study programs?

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## How practical work supports the science of agriculture

- Teaching methods are still hierarchical and teacher-centered.
- Needs more student-centered activities and learning by doing.

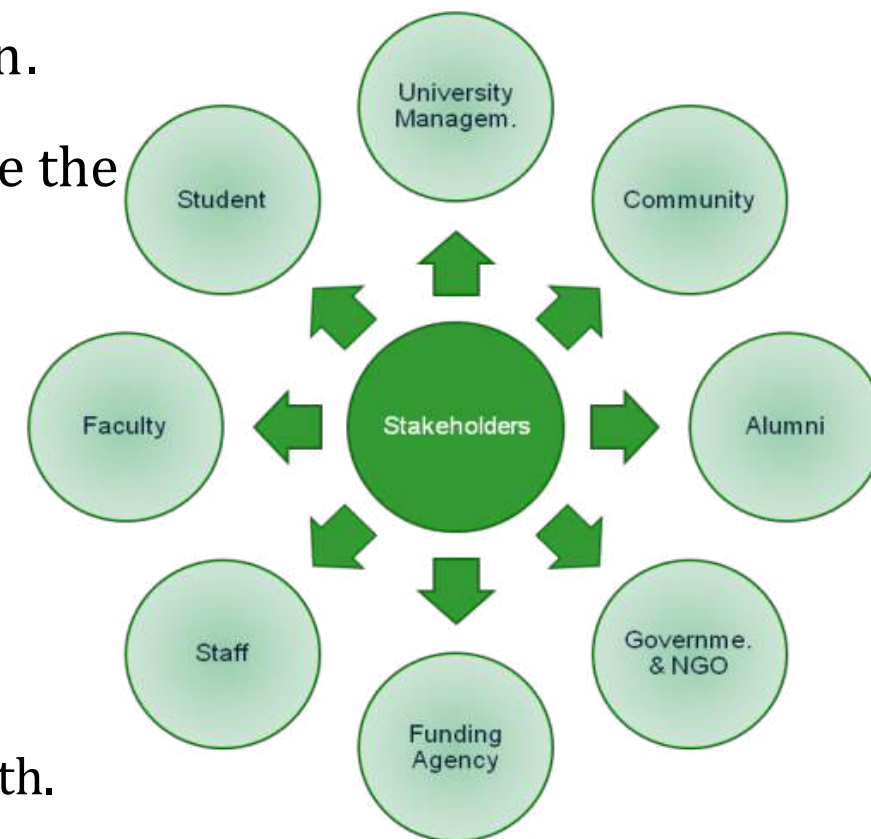
## Practical work is the application of theory

- For best results, the student should strike a balance between theory and practice.
- Learning methods should be in line with the principle of "learning by doing".
- Theory and practice are two sides of the same medal.
- **Collaboration with the world of work is an important element in education** and
- Practical training is a mandatory part of studies.



## Why practical oriented study programs?

- Worldwide, agriculture needs the help of higher education.
- *New knowledge, new skills and new competencies*: these are the three things a modern farm needs all the time.
- The agricultural higher education system needs to be reformed.
- Researchers and their stakeholders are interdependent:
  - If one fails, after a period the other will also fail
  - Cooperation is essential for the sustainable functioning of both.



## Practice-oriented study example

- Students team coordinated with the farmer and they assess the farm condition.
- They recommended different changes and solutions for increasing the performance of the farm.

*Some of the most important changes recommended could be mentioned the following:*

- Improving milk production
- Construction of silos for the preparation and storage of silage
- Milk tank hygiene and milk machine
- Lightning and farm ventilation
- Improving hygiene in the farm facility
- Maintaining data collection and data production on the farm



Grup of students, teacher and farmer



## Practice-oriented study example

- The farmer took the team recommendations seriously and invested immediately to make the necessary improvements.
- Below, the changes will be provided with pre and after, pictures:



*Improvements on the milk storage room*



*Building of new silos*

## Practice-oriented study example



*Hygiene of milk storage tank  
and milkmaid machine*



*Improvement of light and  
ventilation*



*Keeping animals outside  
during the day*

# Practice-oriented study example

**Regjistri i kopesë së g**  
**Emri i farmes: Ferma**  
**Komuna: Fushë Kos**

**ID e kafshës 4379**

Muaji	Prodhimtaria e qumështit për ditë (kg/ditë)																															Gjithsej (kg/m)		
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# Thank you for your attention

