**BEM Micro-credential**

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| **BEM content****(for all partners)** | Title/name of the credential | Cattle Farming – Cattle Handling and Care |
| Function of the micro-credentials / purpose  | The program is designed on the needs of industry-specific skills and is an upskilling program.  |
| Possible target groups | all interested parties |
| Branch/sector of application | Agriculture  |
| Fields of application / work environment | Agriculture  |
| Typical work/professional tasks | 1. Managing the breeding process to optimize herd genetics and ensure healthy offspring for high-quality meat production.2. Developing and implementing balanced feeding plans to ensure proper growth and nutrition for cattle at different life stages.3. Identifying signs of diseases, applying preventive measures, and treating illnesses with veterinary assistance when needed.4. Managing manure collection, storage, and application to improve soil fertility and minimize environmental impact.5. Monitoring breeding cycles, ensuring successful insemination, and providing care throughout pregnancy and delivery.6. Storing feed properly to prevent spoilage and ensure year-round availability.7. Overseeing slaughter and meat processing operations in compliance with hygiene and quality standards.8. Setting up and maintaining stalls or barns to provide safe, comfortable shelter for cattle.9. Monitoring cattle behavior and health to maintain animal welfare, including stress reduction and humane handling practices.10. Planning and maintaining grazing areas to ensure sustainable pasture use and optimal nutrition for cattle. |
| Learning outcomes (personal and job related) | Knowledge | Skills | competences |
| **Knowledge**1. **Principles of cattle breeding and meat production:**
	* Understanding cattle breeding techniques and practices for optimal meat production.
2. **Cattle nutrition:**
	* Knowledge of proper cattle feeding methods and nutritional requirements.
3. **Cattle health management:**
	* Awareness of common cattle diseases and their management strategies.
4. **Manure utilization:**
	* Understanding the effective use of cattle manure for agricultural purposes.
5. **Cattle lifecycle management:**
	* Knowledge of cattle reproduction, including estrus cycle, calving, and post-calving care.
6. **Field and pasture management:**
	* Understanding the principles of maintaining fields and pastures for optimal cattle welfare and productivity

**Skills**1. **Cattle care and welfare:**
	* Ability to arrange appropriate stalls and ensure the welfare of cattle.
2. **Disease recognition and treatment:**
	* Skill in identifying and managing cattle diseases to maintain herd health.
3. **Cattle supervision:**
	* Competence in supervising cattle from estrus to calving, ensuring successful reproduction.
4. **Meat production:**
	* Practical skills in producing high-quality cattle meat, from animal care to processing.
5. **Efficient feed and food storage:**
	* Skill in storing and managing cattle feed and food to ensure quality and minimize waste.
6. **Pasture and land management:**
	* Ability to manage fields and pastures to sustain cattle health and productivity.

**Competencies**1. **Cattle welfare management:**
	* Competence in creating and maintaining an environment that ensures cattle welfare, productivity, and health.
2. **Sustainable manure utilization:**
	* Ability to use cattle manure efficiently for farming or other purposes, contributing to sustainable agricultural practices.
3. **Reproductive and health management:**
	* Capability to independently supervise cattle through their reproductive cycle, manage diseases, and ensure optimal outcomes.
4. **Operational planning and execution:**
	* Competence in organizing and executing the full spectrum of activities related to cattle breeding, feeding, housing, and meat production.
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| Validation  | criteria | procedures |
| Each 10 learning outcome have its own formative and determinative assessment during the study process. |
| Recognised/accepted (documented by MoU) | Name of companiesBlauenstein, Georgia |
| Provider(s) | LEPL College “Erqvani” |
| **Additional information****(if needed)** | Entry level / prerequisites | Prerequisite for admission to the program: general educationProgram duration in hours: 900 h. Program duration in weeks: 36 weeks |
| Possible duration (recommendation) |
| **Specific content (national)****(if needed)** | Position in the chain of educational programmes | Level IV – vocational education (NQF). |
| Reference to NQF |
| Credits |