

## BEM Micro-credential



<b>BEM content (for all partners)</b>	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	<ol style="list-style-type: none"> <li>1. Managing the breeding process to optimize herd genetics and ensure healthy offspring for high-quality meat production.</li> <li>2. Developing and implementing balanced feeding plans to ensure proper growth and nutrition for cattle at different life stages.</li> <li>3. Identifying signs of diseases, applying preventive measures, and treating illnesses with veterinary assistance when needed.</li> <li>4. Managing manure collection, storage, and application to improve soil fertility and minimize environmental impact.</li> <li>5. Monitoring breeding cycles, ensuring successful insemination, and providing care throughout pregnancy and delivery.</li> <li>6. Storing feed properly to prevent spoilage and ensure year-round availability.</li> <li>7. Overseeing slaughter and meat processing operations in compliance with hygiene and quality standards.</li> <li>8. Setting up and maintaining stalls or barns to provide safe, comfortable shelter for cattle.</li> <li>9. Monitoring cattle behavior and health to maintain animal welfare, including stress reduction and humane handling practices.</li> <li>10. Planning and maintaining grazing areas to ensure sustainable pasture use and optimal</li> </ol>

		nutrition for cattle.		
	Learning outcomes (personal and job related)	Knowledge	Skills	competences
		<p><b>Knowledge</b></p> <ol style="list-style-type: none"> <li><b>Principles of cattle breeding and meat production:</b> <ul style="list-style-type: none"> <li>Understanding cattle breeding techniques and practices for optimal meat production.</li> </ul> </li> <li><b>Cattle nutrition:</b> <ul style="list-style-type: none"> <li>Knowledge of proper cattle feeding methods and nutritional requirements.</li> </ul> </li> <li><b>Cattle health management:</b> <ul style="list-style-type: none"> <li>Awareness of common cattle diseases and their management strategies.</li> </ul> </li> <li><b>Manure utilization:</b> <ul style="list-style-type: none"> <li>Understanding the effective use of cattle manure for agricultural purposes.</li> </ul> </li> <li><b>Cattle lifecycle management:</b> <ul style="list-style-type: none"> <li>Knowledge of cattle reproduction, including estrus cycle, calving, and post-calving care.</li> </ul> </li> <li><b>Field and pasture management:</b> <ul style="list-style-type: none"> <li>Understanding the principles of maintaining fields and pastures for optimal cattle welfare and productivity</li> </ul> </li> </ol> <p><b>Skills</b></p> <ol style="list-style-type: none"> <li><b>Cattle care and welfare:</b> <ul style="list-style-type: none"> <li>Ability to arrange appropriate stalls and ensure the welfare of cattle.</li> </ul> </li> <li><b>Disease recognition and treatment:</b> <ul style="list-style-type: none"> <li>Skill in identifying and managing cattle diseases to maintain herd health.</li> </ul> </li> <li><b>Cattle supervision:</b> <ul style="list-style-type: none"> <li>Competence in supervising cattle from estrus to calving, ensuring successful reproduction.</li> </ul> </li> <li><b>Meat production:</b> <ul style="list-style-type: none"> <li>Practical skills in producing high-quality cattle meat, from animal care to</li> </ul> </li> </ol>		

		<p>processing.</p> <p>5. <b>Efficient feed and food storage:</b></p> <ul style="list-style-type: none"> <li>○ Skill in storing and managing cattle feed and food to ensure quality and minimize waste.</li> </ul> <p>6. <b>Pasture and land management:</b></p> <ul style="list-style-type: none"> <li>○ Ability to manage fields and pastures to sustain cattle health and productivity.</li> </ul> <p><b>Competencies</b></p> <p>1. <b>Cattle welfare management:</b></p> <ul style="list-style-type: none"> <li>○ Competence in creating and maintaining an environment that ensures cattle welfare, productivity, and health.</li> </ul> <p>2. <b>Sustainable manure utilization:</b></p> <ul style="list-style-type: none"> <li>○ Ability to use cattle manure efficiently for farming or other purposes, contributing to sustainable agricultural practices.</li> </ul> <p>3. <b>Reproductive and health management:</b></p> <ul style="list-style-type: none"> <li>○ Capability to independently supervise cattle through their reproductive cycle, manage diseases, and ensure optimal outcomes.</li> </ul> <p>4. <b>Operational planning and execution:</b></p> <ul style="list-style-type: none"> <li>○ Competence in organizing and executing the full spectrum of activities related to cattle breeding, feeding, housing, and meat production.</li> </ul>	
	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 companies	
	Provider(s)	Blauenstein, Georgia	
Additional information	Entry level / prerequisites	LEPL College “Erqvani”	
		Prerequisite for admission to the program: general education	

(if needed)	Possible duration (recommendation)	Program duration in hours: 900 h. Program duration in weeks: 36 weeks
Specific content (national) (if needed)	Position in the chain of educational programmes	Level IV – vocational education (NQF).
	Reference to NQF	
	Credits	