

Open Awards Qualification Unit



This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Functional Anatomy of the Horse
Unit Reference Number:	H/650/3934
Level:	4
Credit Value:	12
Minimum GLH:	55

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):		Assessment Criterion (The Learner can):	
1.	Be able to identify bony landmarks of a horse	1.1	Identify bony landmarks of the horse
2.	Understand the joint structure and function and its relationship to functional anatomy of the axial and appendiceal skeletons	2.1	Describe how joint structure and morphology relate to function
		2.2	Describe the structure of a given equine joint and related structures
3.	Understand the functional anatomy of the equine axial and appendicular skeletons	3.1	Describe the functional anatomy of the thoracic limb anatomy including the thoracic sling and/or thoracic stay apparatus
		3.2	Describe the functional anatomy of the pelvic limb, including the reciprocal apparatus and/or stifle locking mechanism
		3.3	Describe the functional anatomy of the spine and pelvis relative to morphology
4.	Understand the actions of individual muscles and muscle groups related to functional anatomy of the axial and appendicular skeletons	4.1	Describe the interaction between muscle groups, antagonistic pairs, and muscle fibre alignment on muscle function
		4.2	Analyse the importance of understanding individual muscle origin, insertion and action

	4.3	Identify equine axial and appendicular extrinsic and intrinsic muscles
	4.4	Explain the relationship between muscle activity and movement of a limb
5. Understand the integumentary system and its relationship to massage and performance	5.1	Describe the importance of the skin: a) As an organ b) In its function in thermoregulation c) In its relevance to massage
	5.2	Describe how to test for dehydration
6. Understand the lymphatic and circulatory systems and their relationship to muscle function, massage and performance	6.1	Describe the function of the lymphatic system
	6.2	Evaluate the use of massage to influence circulation, lymphatic flow, and muscle function
7. Understand core stability and spinal stability	7.1	Describe the concept of core stability and dorsal/ventral muscular chains
	7.2	Evaluate the role of exercise equipment and training aids that can be incorporated within a therapeutic exercise regime
8. Understand the conditioning of a horse	8.1	Assess the importance of conditioning the horse relative to breed, age, musculature and conformation
9. Understand common ailments affecting musculoskeletal structure and their effect on the locomotor system	9.1	Describe common ailments affecting the appendicular and axial skeletons
	9.2	Assess the consequences on performance of common musculoskeletal ailments and the likely resulting compensatory mechanisms
	9.3	Outline own understanding of veterinary management, treatment and approach to common musculoskeletal ailments and how massage might assist in these treatments