



Australian Government

ACMPHR409 Analyse performance horse pedigrees

Release: 1

ACMPHR409 Analyse performance horse pedigrees

Modification History

Release	Comments
Release 1	This version released with ACM Animal Care and Management Training Package Version 2.0.

Application

This unit of competency describes the skills and knowledge required to carry out horse bloodstock and pedigree research services across all classes of horses.

The unit applies to individuals who evaluate horse pedigrees and conformation to determine the market value and performance potential of individual horses.

Workplace health and safety and animal welfare legislation relevant to interacting with horses applies to workers in this industry. Requirements vary between industry sectors and state/territory jurisdictions. Users are advised to check with the relevant authority for specific requirements.

No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Performance horse (PHR)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Apply basic genetic theories to the assessment of horses	1.1 Identify common inherited faults, abnormalities and genetic disorders of horses 1.2 Apply Mendelian inheritance rules to the pedigrees of horses including the inheritance of relevant genetic disorders and arrange for DNA testing of parentage and genetic disorders where required

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Assess the conformation of horses selected for a particular purpose	2.1 Use the correct industry terminology to describe the horses' conformation 2.2 Evaluate the horses' conformation according to its desired performance 2.3 Evaluate the contribution of the sire and dam to the conformation of the horse 2.4 Use pedigree data including past performance, lineage history, sibling performance, breeding outcomes and other traits to rate the horses' suitability for a particular purpose
3. Purchase horses based on pedigree analysis	3.1 Determine desired requirements of horses for purchasing through auction or private sale 3.2 Assess and rank prospective purchases according to requirements, budget and the likely potential of horses to achieve desired goals 3.3 Determine requirements for new registrations or transfer of ownership according to relevant procedures and regulations 3.4 Determine insurance requirements relevant to purchase of horses 3.5 Identify transportation requirements for transfer of horses to new location

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret texts to identify key information about horse pedigree and conformation
Writing	Collate data and document pedigree results using industry-specific language
Oral communication	Use language suitable to audience to seek and provide information
Numeracy	Collect and interpret a range of data to evaluate horse pedigree conformation
Navigate the world of	Take responsibility for complying with legislative requirements,

Skill	Description
work	including health and safety and animal welfare, relevant to own role
Get the work done	- Plan and sequence tasks required to produce accurate assessments of horses - Use decision-making techniques to analyse information and provide appropriate response

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMPHR409 Analyse performance horse pedigrees	Not applicable	New unit	No equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103>

Assessment Requirements for ACMPHR409 Analyse performance horse pedigrees

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has safely assessed at least two performance horses on their suitability for a particular purpose, including:

- researching and evaluating horse pedigrees
- evaluating horse conformation
- considering information on common equine genetic disorders
- documenting each assessment.

There must also be evidence that the individual has purchased at least one horse, including:

- researching current market conditions relevant to the breed or sport of horses being considered for purchase
- producing a list of prospective purchases that meet the desired goals
- organising registration, insurance and transportation of a horse on purchase.

When performing the above assessments and purchase, there must be evidence that the individual complied with relevant legislative requirements, including applying appropriate:

- animal welfare practices
- workplace health and safety practices.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- performance horse breeds and breed standards
- breed society regulations and registration procedures
- various horse sports
- sport horse association and society regulations and registration procedures
- cytogenetics in relation to common inherited diseases and disorders of horses
- principles of inheritance including Mendelian inheritance
- situations in which DNA testing of parentage and genetic disorders is required

- equine pedigrees and the performance of sires and dams in individual pedigrees
- where to find current information about the breed or sport of the horses under consideration for purchase
- types of equine insurance
- suitable methods for transporting horses
- animal welfare legislation and requirements when transporting horses
- key requirements of workplace health and safety regulations and guidelines
- key requirements of animal welfare standards, policies and procedures relevant to the safe, humane and ethical care of horses.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - live horses
 - materials and information about horse genetics and conformation, or technology to access the information.

Training and assessment strategies must show evidence of the use of guidance provided in the *Companion Volume: User Guide: Safety in Equine Training*.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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