



**Australian Government**

# **ACMEQU418 Select horses based on analysis of pedigree**

**Release: 1**

## ACMEQU418 Select horses based on analysis of pedigree

### Modification History

| Release   | Comments                                                                                |
|-----------|-----------------------------------------------------------------------------------------|
| Release 1 | This version released with ACM Animal Care and Management Training Package Version 5.0. |

### 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, performance potential or intended use of individual horses. They work autonomously and apply specialist knowledge and skills to provide and communicate solutions for predictable and at times unpredictable problems.

Commonwealth and state/territory health and safety and animal welfare legislation, regulations and codes of practice relevant to interacting with horses apply to workers in this industry. Requirements vary between industry sectors and jurisdictions.

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

### Pre-requisite Unit

Nil

### Unit Sector

Equine (EQU)

### 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 assessment of horses | 1.1 Identify common inherited faults, abnormalities and genetic disorders of horses<br>1.2 Interpret horse lineage history and apply genetic inheritance rules to analyse horse pedigrees |

| Elements                                                           | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>                   | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                    | 1.3 Arrange for DNA testing of parentage and genetic disorders where required                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 2. Assess conformation of horses selected for a particular purpose | 2.1 Assess and describe horse conformation using correct, objective industry terminology<br>2.2 Evaluate horse conformation according to desired performance or intended use<br>2.3 Evaluate contribution of the sire and dam to conformation of horse                                                                                                                                                                                                                                                                                                     |
| 3. Select horses based on pedigree analysis                        | 3.1 Determine desired features of horses for intended use<br>3.2 Interpret pedigree data and lineage history, past performance, sibling performance, breeding outcomes and other traits to rate horse suitability for a particular purpose<br>3.3 Assess horse potential for performance, work or recreational purpose<br>3.4 Rank prospective horses according to preferred features, budget and likely potential to achieve requirements of intended use<br>3.5 Convey information and recommendations relating to horse pedigrees to relevant personnel |
| 4. Organise purchase or transfer of horses                         | 4.1 Determine requirements for new registrations or transfer of ownership according to relevant procedures and regulations<br>4.2 Determine insurance requirements relevant to purchase or transfer of horses<br>4.3 Identify transportation requirements for transfer of horses to new location<br>4.4 Complete required documentation and organise handover of horses according to legal requirements                                                                                                                                                    |

## 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 |
|-------|-------------|
|-------|-------------|

| Skill              | Description                                                                                                                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading            | <ul style="list-style-type: none"><li>Interpret and analyse textual information relating to horse pedigree and conformation</li></ul>                                                          |
| Writing            | <ul style="list-style-type: none"><li>Collate data and document pedigree results using industry-specific terminology and print-based and/or digital formats</li></ul>                          |
| Oral communication | <ul style="list-style-type: none"><li>Use questioning techniques and language suitable for audience to seek and provide information</li></ul>                                                  |
| Numeracy           | <ul style="list-style-type: none"><li>Collate and interpret numerical data relating to horse pedigrees and genetics</li><li>Analyse financial information and market value of horses</li></ul> |

## Unit Mapping Information

| Code and title current version                        | Code and title previous version               | Comments                                                                                                                                                                  | Equivalence status |
|-------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| ACMEQU418 Select horses based on analysis of pedigree | ACMPHR409 Analyse performance horse pedigrees | Title changed<br>Unit sector changed to EQU<br>Performance Criteria updated for clarity<br>Element 3 added<br>Foundation Skills table and Assessment Requirements updated | Not equivalent     |

## Links

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