



Australian Government

Assessment Requirements for ACMPHR506 Manage performance horse breeding operations

Release: 1

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Modification History

Release	Comments
Release 1	This version released with ACM Animal Care and Management Training Package Version 1.0

Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit.

There must be evidence that the individual has managed breeding operations for a commercial performance horse stud, over at least one annual breeding period, including:

- handling horses safely, including mares, foals, young horses and stallions
- evaluating the condition and identifying common faults of mare and stallion external genitalia
- identifying, recording and managing general and breeding-related health problems, injuries and diseases
- monitoring, recording and managing horse behaviour, including behaviour related to breeding and foaling
- identifying all aspects of the reproductive cycle of the mare, including oestrous and dioestrus
- implementing medical and veterinary procedures, including:
 - hygiene protocols
 - vaccination requirements
 - medications
 - treatments including intramuscular and subcutaneous injections
- foaling down mares and responding to abnormal foaling and foaling emergencies
- identifying and managing healthy and ill neonatal foals
- fitting and using relevant equipment such as breeding hobbles, halters, bridles, lip twitches
- developing and implementing a range of breeding and reproductive schedules
- accessing and analysing current research information on relevant breeding related topics, including emerging assisted reproduction technologies, infertility and dystocia
- researching information and material suitable for use in the breeding program
- identifying and implementing design requirements to facilitate the safe and effective management of the operations of the stud farm

- complying with regulatory requirements and workplace and industry procedures and practices relevant to role and managing horse nutrition, including:
 - animal welfare and prevention of cruelty to animals
 - work health and safety
 - biosecurity
 - environmental sustainability.

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:

- stallion reproductive anatomy and physiology
- mare reproductive anatomy and physiology
- endogenous hormone cycles, functions, and methods to manipulate these to improve breeding efficiency and conception rates
- signs of normal and abnormal breeding behaviour of mares and stallions
- key features of conception, gestation and lactation
- signs and stages of normal and abnormal foaling
- signs and management of neonatal illness and injury
- seasonal breeding practices, limitations and requirements of relevant breed societies
- signs of injury and disease in breeding horses, foals and young horses, including diseases of fertility, infectious diseases impacting fertility and preventative management, including vaccination
- sources of information on potential sires, dams and genetic material for use in the breeding program
- veterinary and biosecurity procedures, including hygiene protocols and quarantine
- equine facility design principles, and infrastructure and equipment options
- staffing and scheduling of human resource requirements
- breed society rules, regulations and processes
- assisted reproductive technologies
- key requirements of work health and safety regulations and guidelines relating to:
 - risk assessment, control and review
 - safe horse handling techniques
 - personal protective equipment
- key requirements of animal welfare standards, policies and procedures relevant to the safe, humane and ethical care of horses
- key requirements of biosecurity standards, policies and procedures relevant to breeding horses
- key requirements of environmental management standards, policies and procedures relevant to breeding 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:
 - various live mares and stallions in breeding program, and foals
 - breeding histories and relevant reproductive information about individual mares and stallions
 - workplace breeding program and schedules
 - equipment and materials required to manage breeding operations and monitor condition of horses.

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

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