



Australian Government

AHCPER303 Maintain integrated plant and animal systems

Release: 1

AHCPER303 Maintain integrated plant and animal systems

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to maintain integrated plant and animal systems, undertake maintenance, and maintain records of activities. Maintaining integrated plant and animal systems requires a knowledge of permaculture activities appropriate to climate and soil types, plants and animals commonly found on permaculture properties, permaculture principles and practices and typical permaculture solutions for water catchment and storage and soil maintenance and improvement for plant and animal systems.

All work is carried out to comply with workplace procedures.

This unit applies to individuals who work under broad direction and take responsibility for their own work including limited responsibility for the work of others. They use discretion and judgement in the selection and use of available resources and complete routine activities.

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

Pre-requisite Unit

Nil.

Unit Sector

Permaculture (PER)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Plan maintenance of integrated plant and animal systems	1.1 Assess maintenance requirements for the integrated plant and animal system 1.2 Consult stakeholders about maintenance activities where

Element	Performance criteria
	required 1.3 Determine and source the required equipment, machinery and materials for maintenance activities 1.4 Read and interpret permaculture design specifications for the property and follow any specific directions on maintenance approaches and strategies 1.5 Plan movement through production areas to minimise disturbance and degradation during maintenance activities
2. Undertake maintenance activities	2.1 Maintain a clean and safe work area 2.2 Take appropriate measures to avoid degradation and disturbance to soil, plants, animals, waterways and other parts of the ecosystem 2.3 Monitor activities of personnel and visitors to reduce risks to the productive systems undergoing maintenance
3. Complete maintenance activities	3.1 Make site good on completion of maintenance activities 3.2 Clean and store equipment and machinery appropriately on completion of maintenance activities 3.3 Remove or store excess materials 3.4 Maintain records of maintenance activities

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

New unit - equivalent to QLD843IPA03B.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCPER303 Maintain integrated plant and animal systems

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- plan maintenance activities for integrated plant and animal systems
- undertake maintenance
- record and report on completion of activities

Knowledge Evidence

The candidate must demonstrate knowledge of:

- Integrated plant and animal systems, such as:
 - gardens, orchards, organic farms, woodlots and forests that include animals in free range or rotational systems
 - balanced ecosystems where the needs of all species are met
 - systems where poultry provide fertility, pest control and other services to plants, such as:
 - chicken-orchard systems
 - duck-rice systems
 - poultry used as tractor
 - frogs, birds and other wild creatures attracted to the garden to maintain ecological balance
 - patterns seen in nature, such as stacking and layering of plants in a forest, used in deliberate design
- plants and animals commonly found on permaculture properties
- plant groups and vegetation structures
- permaculture practices, such as:
 - composting of weeds
 - chop and drop practices

- feeding weeds to animals
- soil support and enhancement strategies
- animal husbandry strategies
- permaculture design information, such as:
 - permaculture site plan
 - components of integrated plant and animal systems
- the role of animals in improving soil, recycling nutrients, managing ‘weedy’ plants and controlling pests and diseases
- plants as indicators and improvers
- typical permaculture solutions to water catchment and storage for integrated plant and animal systems
- recycling of materials and waste

Assessment Conditions

Assessors must satisfy current standards for RTOs. Assessors must also hold a nationally accredited Certificate III (or higher) in Permaculture. Completion of a Permaculture Design Course (PDC) is NOT sufficient at this level.

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