



Australian Government

AHCPER209 Recognise characteristics of integrated plant and animal systems

Release: 1

AHCPER209 Recognise characteristics of 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 recognise integrated plant and animal systems and their roles in permaculture design.

All work is carried out to comply with workplace procedures, including animal welfare, quarantine and work health and safety policies and procedures.

This unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for their own work. They undertake defined activities and work in a structured context.

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. Recognise plants and animals	1.1 Describe plant and animal habits, plant characteristics, animal characteristics and significant features and record appropriately 1.2 Recognise and name plants and animals used in permaculture systems according to their identifiable characteristics 1.3 Describe interconnectedness of plants and animals in permaculture systems using permaculture principles and

Element	Performance criteria
	practices
2. Describe functions of integrated systems in permaculture	2.1 Describe inputs, outputs and intrinsic features of plants and animals in integrated permaculture systems 2.2 Describe functions of integrated systems using a permaculture plan 2.3 Maintain records on integrated plant and animal systems

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 QLD842IPA09B.

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 AHCPER209 Recognise characteristics of 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:

- recognise animals and plants
- name animals and plants by common name
- read a permaculture plan
- identify plants and animals commonly encountered in a permaculture system
- identify plants with useful properties (food, fuel, fibre, medicinal, dyes, shade, habitat etc)
- describe animals with functions in the system
- produce a simple report

Knowledge Evidence

The candidate must demonstrate knowledge of:

- permaculture principles and practices related to integrated plant and animal systems, such as:
 - practices which conserve energy and resources
 - protecting water, soil and other resources
 - obtaining a yield
 - preserving heritage or heirloom varieties (biodiversity)
 - re-using or adapting materials for other functions
 - making use of vertical space
 - creating multiple functions for the same thing
 - using nature as the model
 - seed-saving
- animals and plants common to permaculture systems in a given region or bioregion

- the role or niche of animals in system and interrelationship with other animals, plants or systems, such as:
 - native or wild animals and plants
 - pest and feral plants and animals
 - insects, fish, birds and reptiles, both friend and foe
- principles relating to integrated plant and animal systems

Assessment Conditions

Assessors must satisfy current standards for RTOs. Assessors must also hold a nationally accredited Certificate III (or higher) in Permaculture to assess this unit of competency and/or have completed a Permaculture Design Course (PDC) and/or have completed the Permaculture Demonstrator Skill Set.

Links

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