



Australian Government

Assessment Requirements for AHCPER302 Develop recommendations for integrated plant and animal systems

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

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:

- identify client needs and the nature of the job
- determine options for developing an integrated plant and animal system
- communicate with clients, work team members, supervisors, suppliers, contractors and consultants
- identify plants
- provide information on the characteristics, needs and functions of plants and animals in integrated systems
- interpret site designs, maps, ground plans and specifications
- prepare drawings and tables showing how the systems integrate

Knowledge Evidence

The candidate must demonstrate knowledge of:

- permaculture principles related to integrated plant and animal systems
- permaculture practices, such as:
 - minimising effort for maximum effect
 - multiple uses for each element in the system
 - more than one way of providing important functions
 - re-using and valuing resources and energy
 - encouraging productivity of the system
 - seeing solutions not problems
 - using vertical space and other edges and connections
 - preventing waste and loss of resources from the system

- methods of design, such as planning spatially and allowing for overhead and underground structures, shadow, slope and sun angle
- an understanding of the place of permaculture topics sometimes relevant to integrated plant and animal systems, such as:
 - pattern understanding
 - ecological principles
 - climate and weather
 - water
 - soils
 - earthworks
 - aquaculture
 - species identification and selection information
 - plants in integrated systems
 - animals in integrated systems
- local plant suppliers, animal suppliers, consultants, services, products and contractors and availability of local resources
- patterns in permaculture design, such as:
 - patterns in space, such as planting patterns, naturally occurring patterns in nature (radial and bilateral symmetry, spirals, circles, dendritic and mandala patterns)
 - patterns in time, such as succession planting, breeding cycles, seasonality
 - patterns in human culture, such as gardening systems
 - nature as the model for design, such as stacking or layering as with a natural forest
 - gravity as a force for design, such as using contours in design
 - nutrient, water and energy capture, storage and re-use according to the inputs, outputs and intrinsic features of the system

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.

Links

Companion Volume implementation guides are found in VETNet -

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